MANSFIELD STATE COLLEGE

1965-67
CATALOG

THE COLLEGE CATALOG
MANSFIELD, PENNSYLVANIA

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GENERAL INFORMATION

College Calendar

Summer Sessions 1965

Residence Halls Open	June 6
First Session	June 7 - July 16
Second Session	July 19 - August 27

Fall Semester 1965-1966

Residence Halls Open 1:00 p.m.	September 6
Freshman Orientation Begins	September 7
Registration—Freshmen, Transfers, Readmits	September 9
Registration—Upperclassmen and Special Students	September 10
Classes Begin 8:00 a.m.	September 13
President's Convocation	September 14 & 16
Last Day for Class Changes (Including late Registration)	October 1
End of First Quarter	November 6
Thanksgiving Recess Begins after Last Class	November 23
Thanksgiving Recess Ends at 8:00 a.m.	November 29
Christmas Recess Begins at Noon	December 18
Christmas Recess Ends at 8:00 a.m.	January 3
Final Examinations Begin	January 14
Semester Ends at 12:00 Noon	January 21

Spring Semester 1965-1966

Residence Halls Open 1:00 p.m.	January 26
Registration—Freshmen, Transfers, Readmits	January 27
Registration—Upperclassmen, Special Students	January 28
Classes Begin at 8:00 a.m.	January 31
Last Day for Class Changes	February 18
End of First Quarter	March 26
Spring Recess Begins after Last Class	April 5
Spring Recess Ends at 8:00 a.m.	April 13
Alumni Day	May 14
Final Examinations Begin	May 20
Semester Ends at 12:00 Noon	May 27
Commencement	May 27

Summer Sessions 1966

Residence Halls Open	June 5
First Session	June 6 - July 15
Second Session	July 18 - August 26

Fall Semester 1966-1967

Residence Halls Open 1:00 p.m.	September 5
Freshmen Orientation Begins	September 6
Registration—Freshmen, Transfers, Readmits	September 8
Registration—Upperclassmen and Special Students	September 9
Classes begin 8:00 a.m.	September 12
President's Convocation	September 13 & 15
Last Day for Class changes (Including late registration)	September 30
End of First Quarter	November 5
Thanksgiving Recess Begins after Last Class	November 22
Thanksgiving Recess Ends at 8:00 a.m.	November 28
Christmas Recess Begins at Noon	December 17
Christmas Recess Ends at 8:00 a.m.	January 3
Final Examinations Begin	January 13
Semester Ends at 12 Noon	January 20

Spring Semester 1966-1967

Residence Halls Open 1:00 p.m.	January 25
Registration—Freshmen, Transfers, Readmits	January 26
Registration—Upperclassmen and Special Students	January 27
Classes Begin at 8:00 a.m.	January 30
Last Day for Class Changes	February 17
Spring Recess Begins after Last Class	March 21
Spring Recess Ends 8:00 a.m.	March 29
End of First Quarter	April 1
Alumni Day	May 13
Final Examinations Begin	May 19
Semester Ends at 12:00 Noon	May 26
Commencement	May 26

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Carolyn Montgomery.....*Office of the Director of Admissions*
Sandra Griffin .....*Office of the Dean of Men*
Carol Hardes .....*Office of the Dean of Women*
Shirley Rice .....*Office of the Director of Student Teaching*
Mary L. Geiger .....*Office of the College Library*
Donna Benedict .....*Office of the Education Department*
Hazel L. Starks .....*Office of the Home Economics Department*
Shelva Smith .....*Office of Humanities and Social Science Departments*
Carol Pratt.....*Office of Mathematics and Science Departments*
Janette Giddings.....*Office of the Music Department*

Clerical

Gale Louden.....*Library Clerk*
Gertrude Jupenlaz .....*Library Clerk*
Clarice Evans .....*Clerk, District Library*
Celia Swartz.....*Bookkeeper*
Helen Richards .....*Record Clerk, Office of Registrar*
Marjorie Maloney .....*Record Clerk, Office of Registrar*
Jean Harris .....*Clerk, Business Office*
Rose Ann Dietrich .....*Clerk, Business Office*
Daisy Casbeer.....*Clerk, Public Relations*
Dorothy Hall .....*Clerk, Business Office*
Doris Hess .....*Switchboard Operator*
Donna White.....*Clerk, Business Office*
Virginia Fessler .....*Clerk, Library*

Duplicating Services

James Treat .....*Supervisor*
Robert Graham .....*Messenger*

Student Housing Services

Mildred Campbell .....*Housemother*
Mary Casselberry .....*Housemother*
Margaret Holleran .....*Housemother*
Elizabeth Wakley .....*Housemother*
Dorothy Paris .....*Housemother*
Katherine Hamilton .....*Housemother*

THE COLLEGE

CAMPUS AND COMMUNITY

Mansfield State College has developed the philosophy that community living involves all members of the community — students, employees, faculty and administrators. Therefore, our College shall endeavor to work cooperatively between all segments of the total college community toward the mutual advancement of the college program.

Academic, social, and economic guidelines are established each year as tentative goals through student, faculty, and administrative councils and committies. These goals are constantly under study with modifications being applied when new educational trends or needs are established. Included in these goals are administrative techniques, instructional improvements, student group and individual needs, community and service area relationships, and teacher education evaluations.

The College strives to achieve these goals through its Administrative Council, Faculty Advisory Council, and presidential standing committees. The Administrative Council is an advisory group composed of college administrators who aid the President in formulating college policies. Helpful in the recommendation of basic college policy is the Faculty Advisory Council which represents the ideas, ideals, and basic wishes for both academic and social problems of the college. Its recommendations on college policy are carefully studied and seriously considered by the college administration for basic policy decisions. The presidential standing committees represent both student and faculty needs, interests, and wishes and include committees on admissions, curriculum, teacher education, academics, college-community relationships, student activities, student aid, and spiritual needs.

Mansfield State College is situated on the edge of the Canyon Country in Pennsylvania's Northern Tier. The region is noted for vast stretches of forest and for unexcelled hunting and fishing. Nearby is Denton Hill State Park, a winter sports center.

The Borough of Mansfield is a pleasant community at the junction of Routes 6 and 15. It is about 35 miles from the Chemung County Airport, 20 miles from the smaller Canyon Airport near Wellsboro and 28 miles from the rail center of Elmira, N.Y.

Architects have made use of the college's sloping 75 acres to create an attractive campus, where tall trees and extensive lawns provide an atmosphere of quiet dignity.

Additional construction, planned and currently in progress, will enable Mansfield to provide facilities to meet its expanding needs for higher education. At present the campus buildings include:

North Hall. One of the older buildings of the college, this women's dormitory also houses the college dining room, kitchens and bakery, the book and supply store, conference rooms, recreational areas and music practice rooms.

Pine Crest Manor and Hemlock Manor. Two new units housing 420 students have been completed and are in use. The residential academic, and social needs of the students were incorporated into the design of these modern facilities.

South Hall. The men's dormitory occupies the site of the original Mansfield Classical Seminary; also contains recreation and practice rooms.

Oak Hill Hall. A privately constructed colonial style men's dormitory housing 150 upperclassmen.

Alumni Hall. The ground floor of this dual-purpose building houses most of the administrative offices. The upper floors comprise a library of modern design containing a collection of 53,000 volumes which will be expanded annually until its capacity of 90,000 is reached. There are ample reading and study areas, as well as classrooms for library education.

Arts Building. Facilities are provided in this building for music and home economics education. Included are class rooms, laboratories, practice rooms and a home management apartment.

Belknap Hall. Completely renovated in 1960-1961, this building contains general classrooms, faculty offices and lounge, language laboratory, and a cartography room.

Grant Science Center. One of the most attractive buildings on campus, this structure contains large, well-lighted classrooms and laboratories and a lecture hall.

Straughn Auditorium. Seating 1,250, the auditorium is provided with modern motion picture equipment, stage and lighting facilities for concerts and dramatic productions and a three-manual Austin organ.

Retan Center. The campus laboratory school for elementary pupils provides an opportunity for classroom observation and student teaching.

Allen Hall. This structure, renovated in 1962, contains a communications center, theater, laboratories and facilities for classes in special education and art.

Gymnasium. Plans call for the addition of a swimming pool to this building, which provides a large playing floor, locker space and the offices of the physical education staff.

Student Union. This is the "Hut," a student rendezvous where sodas and light lunches are served. Outside are tennis courts which the Student Council equipped with lights in 1960.

Hickory Hall. A privately constructed colonial style men's dormitory housing 150 upperclassmen.

Student Center. Informal dances, parties and games take place in this student recreational center.

President's Home. This brick residence harmonizes with the rest of the campus, lending beauty and dignity to the scene.

Van Norman Field. Completed in 1960, this natural semi-amphitheater for football, baseball, and track commands a sweeping view of the community and surrounding hills.

Infirmary. The student health center contains offices of the college physician and nurses, treatment and isolation rooms. Serious medical or surgical cases receive immediate attention at low cost at the nearby Blossburg State Hospital. Other area hospitals are Soldiers and Sailors Memorial Hospital, Wellsboro; Robert Packer Hospital, Sayre; Arnot-Ogden and St. Joseph's Elmira.

New Buildings. A comprehensive campus study calls for construction by 1970 of one new women's dormitory, two new men's dormitories, a new dining hall, new infirmary, a world culture building, new student union, swimming pool, field house, and an additional athletic field along with major additions to the administration and science buildings.

HISTORY

In 1857, the Mansfield Classical Seminary opened with a registration of 105 students. Four months later, the original building burned to the ground; however, prominent citizens of the area, who had done much of the preliminary planning for the original structure, renewed building operations, with the result that South Hall was available for the formal opening of school, November 23, 1859.

In 1862, because of the serious financial difficulties of the seminary, the Commonwealth of Pennsylvania acceded to the request of the trustees, and established it as the Normal School of the Fifth District.

Student teaching was organized in 1871, in conjunction with the elementary grades of the Mansfield Soldiers Orphans School. Later, when the need for the Orphans School no longer existed and it was dissolved, the lower grades of the local public school were utilized for this phase of teacher education. A modern laboratory school for the lower grades was opened on the campus in 1914.

The State Council of Education in June, 1926, authorized the State Normal School at Mansfield to confer the Degree of Bachelor of Science in the areas of elementary education and secondary education. A year later Mansfield was designated a State Teachers College by formal resolution. Indicating a broadened concept of professional preparation, the Pennsylvania Legislature on January 8, 1960, authorized the general title, Mansfield State College.

Since it was first authorized to grant the B. S. in Education,, Mansfield has expanded its curriculum to include the special fields of Music Education, Home Economics Education, Library Science Education, and a Liberal Arts curriculum, A graduate program in Music Education and Elementary Education are presently under study.

PROGRAMS OF STUDY

THE FOUR-YEAR ELEMENTARY EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Education and State certification which entitles the holder to teach in the elementary schools of the Commonwealth.

THE FOUR-YEAR SECONDARY EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Education and State certification which entitles the holder to teach in junior and senior high schools those subjects in which he has specialized, including grades seven and eight when organized on a secondary basis.

THE FOUR-YEAR HOME ECONOMICS EDUCATION CURRICULUM carries with it the degree of Bachelor of Science in Home Economics Education and State certification which entitles the holder to teach and supervise vocational home economics and general home economics in the junior and senior high schools.

THE FOUR-YEAR MUSIC EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Music Education and State certification which entitles the holder to teach and supervise music in the public schools of Pennsylvania.

THE FOUR-YEAR LIBRARY EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Library Education and State certification which entitles the holder to serve as a school librarian. This program will also meet many employment requirements of public, governmental or technical libraries and provides groundwork for graduate library education.

The Four-Year Special Education Curriculum leads to the degree of Bachelor of Science in Education.

THE FOUR-YEAR LIBERAL ARTS CURRICULUM leads to a degree of Bachelor of Arts. This program will meet employment requirements of industry, business, and government. The program provides the foundation for graduate study.

The Graduate curriculum leads to the Master of Education degree in Music Education and Elementary Education. (see special bulletin)

SUMMER SESSIONS

The summer sessions are designed for teachers in service, teachers desiring to enrich or broaden their professional education, high school graduates wishing to start their college studies early, and college students following an accelerated program or completing special requirements.

By attending summer sessions, the student may complete requirements for the baccalaureate degree in education, extend certification to additional teaching fields or make permanent the provisional college certificate.

The college schedules two sessions of six weeks each. Summer school credits may be earned at the rate of one credit per week of attendance. A total of 12 semester hours may be earned by attending both sessions. Permission to enroll for more than 12 hours must be obtained from the Dean of Instruction. For further information write: Director of Summer Sessions.

ADMISSIONS

Applicants may be enrolled for the fall semester or spring semester, and for any of the summer sessions.

Requirements for Admission

1. General scholarship as demonstrated by:
   a. Graduation from an approved secondary school which includes grades 10, 11 and 12, or institutions of equivalent grade, or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction.
   b. A satisfactory score in the Scholastic Aptitude Test of the College Entrance Examination Board, and such other tests as the college may deem necessary.
2. Satisfactory recommendation as to character, personality traits, proper attitudes and interests, from the high school principal, guidance director, or other school official acquainted with the student.
3. A certificate of examination signed by a physician, forms for which will be furnished by the college. This medical examination will be checked by the college physician and the applicant may be required to undergo a complete re-examination.
   a. Applicants may be rejected for incurable defects or diseases, defective vision of marked degree, permanently impaired hearing, marked speech defects, unsightly deformities and marked obesity.
   b. Students with remedial defects will be accepted on condition that immediate treatment be undertaken for their removal.

When a student has been granted admission and fails to enroll, his acceptance for admission will be valid for no more than two years following the month for which admission was granted. After two years such student, not having enrolled at any time during this period, must reapply for admission as a new applicant and meet the standards for acceptance current at the time of reapplication.

All applications for admission should be made to the DIRECTOR OF ADMISSIONS, MANSFIELD STATE COLLEGE, MANSFIELD, PENNSYLVANIA.

Special Requirements for Admission to the Music Education Curriculum

1. Musical Aptitude
   a. The possession of an acceptable singing voice.
   b. Evidence of average or above-average musical aptitude as indicated by
      1) a good sense of pitch,
      2) rhythmic responsiveness,
      3) adequate melodic and rhythmic memory.
2. Musical Accomplishment
   a. The ability to sing at sight a melody of the degree of difficulty of a simple folk song.
   b. The ability to sing the alto, tenor, or bass part of a song of the degree of difficulty of "America."
   c. Sufficient technical skill on one or more legitimate musical instruments to serve as a basis for the development of a firsthand acquaintance with standard works of musical literature.
   d. Ability to play piano music of the degree of difficulty of the first book of a standard graded course of piano instruction, including equal facility in reading from the treble and bass clefs. Students who cannot meet the entrance requirements in this area will study without credit until they have removed the deficiency.
3. A working knowledge of the fundamentals of music theory such as scales, key-signatures, and the symbols of music notation.

Applicants who are deficient in any of the above-named techniques may be accepted if they give evidence of superior qualifications in other areas.

Advanced Standing

1. Application forms and information for transfer students may be secured from the Admission Office.
2. Transfer students must meet the same requirements as other applicants, and will not be accepted without certificates of honorable dismissal.
3. Students who apply for advanced standing must have their transcripts and admissions data sent to the Director of Admissions before July 15 for the fall semester, or before November 15 for the spring semester.
4. Credit will be given for acceptable courses pursued in accredited college institutions only if the grade is one grade above the lowest passing grade.

Mansfield State College accepts undergraduate credit transferred from approved non-accredited colleges. This credit is subject to validation by one year's successful work after transfer and is then counted toward undergraduate degree requirements at Mansfield State College.

5. No student may be graduated and receive a degree from this college without a minimum residence of one year. A minimum of thirty-two semester hours of work earned on campus will meet the requirement for one year of residence.

6. Degree candidates who wish to pursue any part of the program of studies for the degree of another institution will be required to secure prior approval from the Dean of Instruction at Mansfield.

Readmission

A written request for readmission should be sent to the Director of Admissions before July 15, for the fall semester, or before November 15, for the spring semester.

CERTIFICATION

Citizens of the United States who have completed any of the four-year curricula offered by the college, and who have complied with the all regulations for graduation will be granted a college degree. This degree should not be confused with the Provisional College Certificate issued by the Department of Public Instruction.

Provisional College Certificate

A student successfully completing his curriculum and receiving his degree from the college qualifies for a Provisional College Certificate, which is issued upon application to the Department of Public Instruction, Harrisburg.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field the certificate entitles the holder to teach the subjects specified thereon in the secondary schools of Pennsylvania, grades seven and above, for three years.

In music education the certificate qualifies the holder to teach and to supervise music for three years in both the elementary and secondary schools of Pennsylvania.

In home economics education the certificate is valid for the teaching of home economics in all the grades of the public schools of Pennsylvania for three years.

In library education the certificate qualifies the holder as a school librarian for any of the grades of Pennsylvania public schools.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of this Commonwealth under a Provisional College Certificate and the successful completion of twenty-four (24) semester hours of post-baccaulaureate education for permanent validation. All permanent certificates require a basic course in the History of United States and Pennsylvania and a basic course in visual aids and sensory techniques.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by the completion of 30 semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching. The program to be completed for this extension must include (a) a course in the teaching of reading, and (b) courses in at least four of the following areas: mathematics, arts and crafts, music, physical education, language arts, sciences, social studies, geography, mental hygiene or a course dealing with exceptional children.
2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting all the standards required for the original issue of a secondary certificate in that subject. The program for this extension will also include 12 semester hours of professional education in the secondary area, six of which must be student teaching.
3. The holder of a Provisional College Certificate in the secondary field may be granted a temporary certificate to teach additional academic subjects provided he has completed 18 semester hours in the subject for which the temporary certificate may be issued. The temporary certificate may be granted at the request of an administrative official in the school district for a period not to exceed three years. Before the additional academic subject listed on the temporary certificate can be made a part of a provisional or permanent certificate, the 18 semester hours must be increased to the number of semester hours required for that subject.
4. A certificate valid for elementary education may be endorsed for library education upon the completion of 12 semester hours in this field of study. Such a library education endorsement will be valid only in those grades designated for the elementary school.

PROGRAMS FOR TEACHERS IN SERVICE

Teaching Experience

Entrance and college credits based on teaching experience have not been granted since September 1, 1927. Credit will not be granted for student teaching other than that done under the direction of the college.

Extension Courses

Extension courses provided by duly accredited colleges and universities will be accepted from in-service teachers for no more than 25 per cent of the number of credits required for a degree. On a transfer record only courses that have received a grade above the lowest passing grade of the issuing institution will be considered for credit. Detailed information on acceptable credit may be obtained from the Dean of Instruction.

Saturday and Evening Classes

Saturday and evening classes on campus have been established as a regular part of the Mansfield College program, in order to enable area teachers to continue their studies during the entire academic year. For further information write to the Dean of Instruction at the college.

Correspondence Courses

The Department of Public Instruction prohibits the offering of correspondence courses by state colleges and also the acceptance of such courses for credit.

Maximum Semester Credit

Not more than six hours of credit may be taken in any one semester by a regularly employed full-time teacher.

FEES, DEPOSITS, REPAYMENTS

(Subject to Change Without Notice)

Summary of approximate costs per academic year (September to May) for Pennsylvania resident students.*

	Elem. & Secondary	Library Educ.	Liberal Arts	Home Econ.	Music
Basic Fee	$250.	$286.	$300.	$304.	$340.
Activity Fee	45.	45.	45.	45.	45.
Est. Cost—books & supplies	100.	100.	100.	100.	100.
Room, Board & Linen Service	612.	612.	612.	612.	612.
	$1007.	$1043.	$1057.	$1061.	$1097.

THE BASIC FEE covers registration and keeping of student records, library, student welfare, health service and laboratory facilities. Nursing and quarantine service require an additional fee.

*Commuting students pay the same costs except the item for room, board and linen service.

Students taking NINE or fewer semester hours shall pay at the rate of $12.50 per semester hour. Students taking more than NINE semester hours shall pay the regular basic fees; basic fees for special curricula shall be prorated on the basis of an eighteen semester hour load.

STUDENT ACTIVITY FEE. This fee collected from all regularly enrolled students, will be administered through a cooperative organization approved by the Board of Trustees. It covers the cost of athletics, entertainments, publications, etc. Students taking fewer than twelve semester hours or students taking extension courses may take advantage of this program by paying this fee. The fee, determined and collected by the College Student Services, Inc. is $27.50 for the first semester of attendance and $22.50 for each semester thereafter. Checks covering activities fees must be made out to College Student Services, Inc. *Do not expect to register if you cannot pay your Activity Fee at or before registration.* ACTIVITY FEES ARE NOT REFUNDABLE UPON WITHDRAWAL OF THE STUDENT FOR ANY REASON.

LATE REGISTRATION FEE. Each student registering after the date officially set for registration is required to pay an additional fee of $1.00 per day until the student is in regular attendance (except when permission for late registration has been secured in advance from the Dean of Instruction.) The total amount of the late Registration Fee shall not exceed $5.00. The same regulation shall apply to approved inter-semester payments.

FEES FOR OUT-OF-STATE STUDENTS. Students whose legal residence is out of the State of Pennsylvania, pay $20.00 per semester hour. The amounts for the Activity Fee, Room and Board charges, and costs of books and supplies are the same as for students who are Commonwealth residents. Out-of-state students enrolled in curricula other than elementary or secondary pay additional fees as follows:

Library Education Curriculum	$18.00
Liberal Arts Curriculum	25.00
Home Economics Curriculum	27.00
Music Education Curriculum	45.00

Students who enter the college from an out-of-state address will generally continue to be classified as Non-Pennsylvania residents for fee purposes during their four years of college. An exception is made if the student's parents establish legal residence in the Commonwealth. The establishment by the student of a Pennsylvania mailing address or a Pennsylvania certificate of registration for voting purposes does not change the student's out-of-state status for fee purposes so long as his parents continue to reside out-of-state. The establishment by the student of a residence with a Pennsylvania resident who is a relative does not change the student's out-of-state status for fee purposes, unless that relative legally adopts the student.

Part-Time and Summer School Fees. For Pennsylvania residents: $12.50 per semester hour (minimum fee $37.50).

For Out-of-State students: $20.00 per semester hour (minimum fee $60.00)

Activity fees for all are $4.00 per 6 weeks session.
Board, room and linen service $102.00 per 6 weeks session.
Books and supplies are estimated at $32.00 per 6 weeks session.

Housing Fee

Board, room and linen service is $306.00 per semester.

Linen services consist of 2 sheets, 1 pillow case, 3 bath towels (to be changed weekly), and 1 blanket and 1 bedspread (to be cleaned twice yearly). No reduction will be made in the above fees when students go home or furnish any of their own linen supply.

Off-campus students may avail themselves of the College Linen Service as previously outlined, for a charge of $18.00 per semester.

The housing fee for persons other than students is $15.00 per week.

There will be a special charge for transient lodging of $1.00 (plus sales tax) per night, per person.

Off-campus students may eat in the college dining room at a cost of $162.00 per semester.

The charge for meals to transients: breakfast, $.75; luncheon, $1.00; dinner, $1.25.

Meal tickets for visitors can be obtained in the A. L. Mathias office.

Unless they leave college, boarding students will not be permitted to withdraw from the dining room during the semester.

Infirmary Fee

The services of the college physician and the college nurses are available to those who are ill or injured. Medicine for minor illnesses and dressings for injuries are furnished free of charge, but students must pay for special prescriptions or preventative vaccine.

After three days in the Infirmary, students from the dormitory will be charged a hospitalization fee of $1.00 per day in addition to the regular housing fee.

Day students in the infirmary, *without* dining privileges, will be charged a fee of $3.00 per day. This charge includes regular medical and nursing care, and meals while confined to the Infirmary.

Day students in the Infirmary, *with* dining privileges, will be charged a fee of $1.50 per day for the above services.

Private Music Instruction Fee

The charge for private music lessons to students not following the Music Education curriculum will be:

Voice, piano, band, or orchestral instruments: $24.00 per semester for one lesson per week.

Pipe organ: $42.00 per semester for one lesson per week.

Rental of room for practice, one period per day: $6.00 per semester.

Rental of pipe organ for practice, one period per day: $36.00 per semester.

Rental of band or orchestral instruments: $6.00 per semester.

Special Music Instruction Fee

Students of the Music Department who wish private music instruction other than that assigned by the director, will pay the same rate for such instruction as students not following the Music Education curriculum.

Repayments

Repayment will be made when a student withdraws because of personal illness, certified to by an attending physician, or because of such other reasons as may be approved by the Board of Trustees. Payments will include the amount of the contingent and housing fees paid by the student for that part of the semester which the student does not spend in the college.

Repayments will be made to students who are temporarily suspended, indefinitely suspended, dismissed, or who voluntarily withdraw from the college, only on the following basis:

Tuition, special curriculum charges, and activity fees, *will not be refunded for the semester involved.*

Housing fees will not be refunded for the nine-week period when the withdrawal occurs as we have committed the college to furnish such housing and will be unable to fill the vacated space.

Dining privileges will be refunded (on a weekly basis) for the time when student is not at college after such withdrawal.

All computation and processing of refunds shall originate with the Business Manager.

Schedule of Payments

ELEMENTARY AND SECONDARY CURRICULA

	*Sept.	Nov.	*Jon.	April
Campus Students	$278.00	$153.00	$278.00	$153.00
Commuting Students	125.00		125.00	
LIBRARY EDUCATION CURRICULUM				
Campus Students	$296.00	153.00	296.00	153.00
Commuting Students	143.00		143.00	
LIBERAL ARTS CURRICULUM				
Campus Students	$303.00	153.00	303.00	153.00
Commuting Students	150.00		150.00	
HOME ECONOMICS CURRICULUM				
Campus Students	$$305.00	153.00	305.00	153.00
Commuting Students	152.00		152.00	
MUSIC EDUCATION CURRICULUM				
Campus Students	$323.00	153.00	323.00	153.00
Commuting Students	170.00		170.00	

Checks or money orders for the above fees should be made payable to the Commonwealth of Pennsylvania with the money orders drawn on the Harrisburg post office.

Payments by Check

Checks paid to the Revenue Office must be made payable to the Commonwealth of Pennsylvania. Checks covering Student Activities Fees are payable to the College Student Services, Inc.

Special Charges

DAMAGES. Any damage to rooms or furnishings beyond that caused by normal use will be charged to students. If damage results from use of electrical appliances other than those provided by the college, students will be held accountable.

CHARGES DURING ILLNESS. Charges during illness do not include the expense of trained nurses or of medicine. In cases of serious illness, students may be removed to a hospital where special expenses must be met. Cost of transporting a student to or from a hospital are the obligation of the student or sponsor.

DEGREE FEE. Every candidate for a degree is required to pay a diploma fee of $5.00. An application form for College Provisional Certificate must be filed with the Registrar at the beginning of the semester in which the student expects to obtain the degree.

*Payments for advance registration should be deducted from this amount.

Cap and Gown Fee. A cap and gown rental of approximately $5.00 must be paid by each degree candidate.

Transcripts and Fees. No official transcript will be issued directly to the student. A fee of $1.00 must be paid for the second and each subsequent copy of the academic record. The fee is waived for transcripts to be used in connection with induction, enlistment, or achievement in the armed forces.

Delinquent Accounts

No student shall be enrolled, graduated, or given a transcript of his record until all fees have been paid.

Financial Obligations

Acceptance of a student is for a semester. Students and sponsors or parents should understand that financial obligations are incurred for the entire semester even though payment may be accepted on a nine weeks basis.

Deposits

Advance Registration Fee for New Students. An initial fee of $10.00 is required with all applications. This fee covers evaluation procedures and is not refundable for any reason.

If the applicant receives preliminary acceptance, he must send an additional $50.00 as a guarante of intention to enter the college for the semester designated. This $50.00 fee is refundable only if the applicant is not given final acceptance by the Admission's Office.

Payment of Fees

All tuition, special department fees and activity fees, are payable in advance on a full semester basis. Tuition and special department fees are refundable only in case of illness when certified to by an attending physician. All other bills including housing fees, dining privileges, and extra room rent, must be paid at least nine weeks in advance. Checks should be made payable to the Commonwealth of Pennsylvania. If a money order is used, it must be payable at Harrisburg, Pennsylvania. Checks or money orders must be presented in the exact amount of the account. Bookstore purchases are on a cash basis.

Students will not be permitted to enroll for any semester until all bills previously incurred have been paid; nor will credit be certified to other institutions or to the Department of Public Instruction until all overdue accounts have been paid.

Students desiring to leave school before the close of a semester must report to the Dean of Instruction, Registrar, to the Business Office and Campus Book Store to settle all unpaid accounts.

THE STUDENT PERSONNEL PROGRAM

Purposes

The student personnel program at Mansfield State College is dedicated to the development of an over-all campus environment — including the physical, social and academic environments, and the emotional and spiritual atmospheres — which will be conducive to the students basic needs and aspirations. The college assumes that one of the basic aspirations of the student is the pursuit of academic excellence. Placed high on the students basic needs is the desire for an active social and intellectual interaction between student and student, student and faculty members, and student groups and faculty groups. Priority for exchange of views, ideals, and thought, is basic to the development of a culture centered personnel program. We should continuously strive to achieve our purpose by providing the proper environment — comfortable resident halls, adequate recreational and social facilities and programs, sound curricula and superior teachers, reasonable codes of conduct and an opportunity for spiritual relaxation.

Student Government

Mansfield State College believes that student participation in the direction of the student's own affairs has been one of the most important developments in the College's history. As the students assume more responsibility for their own codes of conduct, modes of group and individual activities, and spheres of intellectual developments, the privilege of self-government shall be broadened. The college and the students accept the fact that self-direction and government require responsible, serious-minded, sincere, and knowledgeable students who are willing to assume the obligations and responsibilities of governing. The broad base for the student government program is founded on the Student Government Association which includes in its membership all full-time and part-time Mansfield State College students. Monthly meetings are held for airing problems and for voting on major issues. During the monthly meetings hearings and reports received by action of the Student Council are reported for appropriate action.

A Student Council is elected yearly to represent the Association on all college affairs. This organization meets biweekly and conducts the normal business of the Association. The Student Council is represented by a president, vice-president, treasurer, secretary, adviser, four delegates-at-large, and the four class presidents.

Students Personnel Services

Living Accommodations. Our students reside in college residence halls, in college owned homes, in college approved home in Mansfield, or in their parents' homes. The college believes that some

experience in residents hall living is beneficial to the student's social and emotional maturity; therefore, freshmen men and all women students (except student teachers) are required to live in the resident halls unless the student commutes from his home. Upperclassmen may be required to live in resident halls when facilities become available. Upon application to the appropriate dean of men or women, exceptions to this rule may be granted. Exceptions may be granted in cases involving age, marriage, and extenuating circumstances.

All students who reside in campus housing facilities must continue in residence for the entire academic year unless they withdraw from college, move to another community, or move to begin student teaching, or other contingencies. General and specific residence hall regulations are outlined in the student handbook, *The Password.* In addition, specific residence hall regulations applicable to individual halls will be available to each student upon request. The enforcement of residence hall regulations have been established through the respective men's and women's resident councils.

Resident students are required to eat in the college dining room. The Dean of Student Affairs may approve exceptions to this policy in cases involving health. Applications for permission to receive meals off-campus must be filed after the student's registration date. The College Infirmary will review applications which must indicate detailed diagnosis by the family physician of blood count, urinalysis, and basal metabolism test.

Mansfield State College wishes to have residents representing all creeds, races, ethnic, and cultural groups, living in college resident halls. Therefore, in compliance with the Pennsylvania Fair Education Practice Act, all resident assignments shall be made without regard to race, religion, color, ancestry, or national origin. Having accepted the Pennsylvania Fair Education Practice Act, we feel that a cross section of cultures has been provided, thus making a cosmopolitan community.

Classification of Students by Residence.

1. *Resident students*—Those who live in resident halls or college owned homes.
2. *Off-campus students*—Those who have selected college approved housing in the community of Mansfield.
   a. *Town students*—Those who reside with their parents, legal guardians, or are married and reside in Mansfield.
3. Day students—Those who commute daily to and from the college.

Male students under 21 years of age who desire to room off-campus other than their own homes, must secure the written permission of their parents and the Dean of Men. A list of approved homes in Mansfield is available in the offices of the personnel deans. Financial

arrangements for renting rooms or apartments are made directly between the home owner and the students. All students must secure contracts from the personnel deans.

All married students enrolled at the college will live off campus. A student planning to be married while enrolled in college must inform, in writing, his personnel dean, dean of instruction, and registrar, at least two weeks before the marriage date.

Resident Hall Services

Personal Laundry. Personal laundry facilities are available to all resident hall students. These facilities are located in the basement of each resident hall at a cost of twenty-five cents per load of ten pounds. All students may secure personal laundry service from a contracted laundry. The service includes personal laundry items on a cost per item basis or bulk price service.

Campus Bookstore. A book and supply store is operated by the Mansfield Cooperative Government Association and College Student Services, Inc. Profits accrue to the Associations under the auspices of College Student Services, Inc., for the furtherance of student life. The bookstore is open from 8:30 A.M. to 4:00 P.M., Monday through Friday. During registration week the store is open additional hours as posted, to aid the students in purchasing textbooks and classroom materials.

Special Personnel Services

Counseling Service. Students are urged to consult the personnel deans at any time with personal, social, financial or emotional problems. Problems involving resident hall matters may be cleared through resident assistants or housemothers who are all willing to aid in problem solving.

Academic problems should be directed to instructors, academic advisers, and department chairmen, in designated order. Each student is assigned to a faculty adviser in his department. Each student is urged to seek assistance through his adviser and is required to meet with his adviser at the nine-week counseling period. At this time the student may discuss personal and academic problems as well as plan his course of study for the ensuing semester.

The Dean of Student Affairs is concerned with general student welfare. Students may consult the Dean on all matters, after consulting with their respective personnel deans. Financial aid, part-time employment, scholarship, and activities information may be obtained through this office.

The College offers the services of a clinical psychologist as part of its advisory services—personal, academic, and vocational. Students wishing assistance are referred to the clinic through the personal deans or faculty referrals.

Student Health Service. The infirmary contains a well-equipped dispensary and rooms providing overnight beds. The college nurses and staff are on duty or on call at all times, and the college physician makes regular visits on Monday, Wednesday, and Thursday. A preventative health program is conducted which includes tuberculin tests, influenza vaccines, tetanus immunization, allergy vaccine, and diabetes injections.

Veterans Service. All veterans affairs are conducted through the office of the Dean of Men. All new students eligible to enter with veterans benefits should apply to their nearest veterans Administration Regional office for official certificates or supplemental certificates of entitlement. This application for entitlement should be made only after the veteran or eligible student has been officially notified of his admission.

Mansfield State College is approved to provide training for eligible persons under the provisions of Public Law 634.

Selective Service Information Services. The office of the Dean of Instruction is the area designated as an informational center for Selective Service. Students wishing advice on this subject should contact either the Dean of Instruction or the Personnel Deans.

A student who is seeking deferment must complete at the end of each college year, a S.S. 109 form, which will be submitted to the student's local Selective Service Board by the office of the Dean of Instruction. All students (men) file a S.S. IBM card at the fall term for identification purposes.

Placement Service. Mansfield State College maintains a Placement Service. The Director of Placement maintains close relations with members of school boards, superintendents, supervising principals, and other educational media to aid our graduates in locating desirable positions, and to assist school officials in securing well-qualified teachers to fill vacancies in the schools of the Commonwealth.

The Placement Service is authorized to send to inquiring school administrators thorough and adequate information concerning each graduate of the college. Placement Service materials include scholastic information, student teaching evaluations, and general recommendation evaluations of personality, character, competency, and teacher potential.

The Placement Service would appreciate graduates continuing a personal contact with Director of Placement so that our graduates may be recommended for advanced positions which demand more experience. The Service would also appreciate any information on vacancies which may occur so that these vacancies may be brought to the attention of teachers not placed.

General College Regulations

Students at Mansfield State College are expected to manifest unimpeachable moral character and to maintain high ideals in their personal behavior. Upon enrolling in the college every student thereby binds himself to observe the rules and regulations of the college. Violations of those rules and regulations may result in expulsion. The college reserves the right to exclude at any time a student whose conduct or academic record proves unsatisfactory.

Mansfield State College Social Code of Conduct. The traditions and principles of Mansfield State College which are to be accepted by every student upon registration, decree that the student will conduct himself at all times as a lady or gentleman and maintain standards which are consistent with good social practices and the policies outlined in the *Password.* College rules pertain to all students regardless of age or location of college residence.

Basic to the Social Code of Conduct are the regulations governing the alcoholic beverage policy, gambling, public disturbances, and student obligations and responsibilities. These policies have been formulated by a joint student-faculty committee and adopted by the Student Government Association, the Faculty Association, and the College Board of Trustees. Additional information regarding the Social Code of Conduct is stated in the *Password,* the official student handbook.

The responsibility for enforcement of the Social Code of Conduct is the responsibility of the Mansfield Judiciary System. The judiciary system has been established to protect the students' individual rights as well as to protect the welfare of the institution regulated by the laws of the Commonwealth of Pennsylvania. A detailed description of the Mansfield Judiciary System is outlined in the *Password.*

Special Regulations—Automobiles. The Traffic and Safety Committee, composed of students, faculty, and administrators, has formulated the following policies regarding the use of automobiles by college students:

1. Freshmen and Sophomores under 21 years of age, while in residence at the college or have off-campus status, are not permitted to operate motor vehicles.
2. Juniors and Seniors who are under 21 years of age, may submit applications for permission to have automobiles on campus, through the office of personnel deans; these applications to be accompanied by parental permission in writing.
3. All students who have or use automobiles must register them with the security officer during Registration.

Regulations are distributed at the time of auto registration. Students are responsible for knowledge of traffic and parking regulations and for obeying same.

Students Activities and Organizations

The student activities program has been organized to encourage student participation in many areas of social, ethical, cultural, and recreational life. With a wide variety of activities each student is given the opportunity to enlarge his cultural development through group participation. The entire program is a supplement for classroom learning, social living, and spiritual fulfillment.

The development of the Activities program, fitting it to the wishes and needs of the students, and coordinating its many areas of activity into the total college community, is the responsibility of the Dean of Student Affairs and Student Government. All scheduling, regulations, policies, and questions related to student activities, including evaluations of individual organizations, are acted upon by the Student Council and subject to the approval of the Dean of Student Affairs.

The student activities program is classified into four general areas of group or individual participation which may lead to learning sets or experiences.

GROUP 1. *Student activities which emphasize group living experiences.*

Publications

THE CARONTOWAN. Dedicated to student life at Mansfield, the yearbook is published by a board selected chiefly from the junior class. Each student receives a copy.

THE FLASHLIGHT. The student newspaper, published monthly, is written by students interested in journalism and distributed to all students and faculty members.

THE PASSWORD. This student handbook is published annually by the Student Council and is dedicated primarily to freshmen. It contains information about the college and campus life.

Student Government

THE INTER-FRATERNITY COUNCIL. The I.F.C. is composed of the social fraternities at Mansfield State College. It shall serve as the governing body for the fraternity system on the campus and shall promote the interests of both the college and the fraternity system. It's basic objective shall be to insure cooperation between fraternities and the college administration.

THE JUDICIARY SYSTEM. A court system has been established at Mansfield State College to protect the students' individual rights as established by the Constitution, as well as to protect the welfare of the institution regulated by the laws of the Commonwealth of Pennsylvania.

THE MANSFIELD STUDENT GOVERNMENT ASSOCIATION AND THE STUDENT COUNCIL. Each student is a member of the Mansfield

Student Government Association. In order to carry on the business of this group, the students elect 16 members to serve on a Student Council. The council plans the activity program, approves the dates for college meetings and forwards student opinions to the administration. The success of student government depends on the interest and enthusiasm of each student.

GROUP II. *Student activities which emphasize ethical attitudes and values.*

Religious Organizations

KAPPA PHI. The aim of this organization is closer association among Methodist women for the promotion of religious training and a wholesome social life.

LUTHERAN STUDENT ASSOCIATION. This organization exists to promote fellowship and spiritual development for students of any Lutheran background. Meetings are held in one of the town churches—either the Episcopal or the Methodist.

NEWMAN CLUB. The purpose of this Catholic club is to foster the spiritual, intellectual, and social interests of Catholic students. Activities include fall and spring communial breakfasts, spiritual talks by the clergy, panel discussions and social events.

STUDENT CHRISTIAN ASSOCIATION. Part of the Student Christian Movement, this organization is open to all students. It strives to develop spiritual, moral and social relationships among individuals. Programs of music and discussion are scheduled for weekly meetings.

GROUP III. *Student activities which emphasize professional growth and development.*

Honor Fraternities

ALPHA PSI OMEGA. A national honorary dramatic fraternity. Membership is limited to outstanding participants in The Players.

DELTA PHI ALPHA. This is a German honorary fraternity which seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. In order to qualify for membership a student must have a minimum of twelve semester hours of college German and indicate a continued interest in the study of German language and literature.

GAMMA THETA UPSILON. An honorary national professional fraternity. Membership is open to both men and women students who have completed at least six semester hours in geography, have declared an intent to major or minor in geography, and have an over-all scholastic average of at least 2.0. It seeks to recognize ability and accomplishment in the field and to promote geographical education.

KAPPA DELTA PI. An educational honorary society which aims to set up worthy scholastic and professional ideals, to recognize outstanding work in the field of teaching, and to establish teaching on a higher plane in American professional life. Juniors having six and seniors having 12 semester hours of education, and wno rank in the upper quintile of their class are eligible.

KAPPA OMICRON PHI. A national honorary home economics sorority. Members are selected on the basis of scholarship, professional attitude, and character. The number may not exceed 20 per cent of the enrollment. The aim of Kappa Omicron Phi is to develop women with higher ideals of sane living, with deeper appreciation of the sanctity of the American home, with broader social and higher intellectual and cultural attainments.

PHI MU ALPHA SINFONIA. A national musical fraternity for men who are interested in music either as a profession or as an avocation. The fraternity's aims are to advance the cause of music in America, to foster the mutual welfare and brotherhood of students of music, to develop true fraternal spirit among its members, and to encourage loyalty to the Alma Mater.

PHI SIGMA PI. A national education fraternity for men in teacher preparation institutions. Its ideals are character, knowledge, and fellowship. Its personnel is limited to men of superior scholastic, professional, and social standing, who have spent at least one year at college.

SIGMA ZETA. A national science honor society restricted to upperclassmen. It seeks to recognize ability and accomplishment in the various branches of science. Meetings, field trips, and special projects make active membership in the organization pleasurable and worthwhile.

Departmental Clubs

ASSOCIATION FOR CHILDHOOD EDUCATION. An organization for students and faculty of the Elementary Education curriculum. the Association sponsors discussion of topics of common interest, seeks to promote closer fellowship among members and to help them become better teachers.

COUNCIL FOR EXCEPTIONAL CHILDREN. An affiliate of the national organization of the same name. Membership is open to college students interested in becoming teachers of children who are mentally retarded, gifted, physically handicapped, or speech defective. Regular meetings provide opportunities for members to meet and talk with specialists in the field. The organization also plans other activities of interest to the group such as sponsoring parties for area special class children. Visits are made to special schools and institutions.

Debate Club. Debate as a tool of citizenship is encouraged. Topics of national importance are prepared for intercollegiate, interclub and radio presentation. The program includes both novice and varsity competition and is open to all interested students.

Geography Club. To promote interest in geography, the club schedules movies, lectures and debates. Membership is open to students majoring or minoring in geography and to others who have attained a 3.0 average in geography and an overall average of 2.5.

Intercollegiate Conference on Government. Open to all students, this organization is guided by the motto of the state organization coined by Miss Genevieve Blatt, Secretary of Internal Affairs: "Our purpose is not to preach, not even to teach, but merely to provide a means whereby students may learn together how their government works." Within ICG, the student may become a member of the Young Democrats or Young Republicans if he so wishes.

Music Education Club. This departmental organization is open to all music students. It aims to acquaint members with current activities and developments in the field of music education. At monthly meetings, programs augment instructional activity. The organization sponsors a limited number of social events.

Omicron Gamma Phi. This organization for all home economics students holds monthly meetings consisting of lectures, reports and news in the home economics field. The organization keeps in close touch with related national activities.

Musical Organizations

Choruses. All music students before graduation must compete seven semesters of chorus with a grade of Satisfactory for each semester unless excused by the head of the department. (String majors need complete only four semesters of *satisfactory* performance.) Chorus II is required of all freshmen. A few freshmen by audition may become members of Chorus I. Chorus I is required of all upperclassmen with the provisions noted above. At least two public concerts a year are presented. Major choral works from all periods of music are performed by both choruses.

Dance Band. Both a professional and academic activity, the 16-piece dance band, known as the "Esquires," rehearses twice each week for academic credit, plays for large college dances and fills outside engagements.

Concert Band. Mansfield has both concert and marching bands. Advanced ensembles rehearse and present programs throughout the school year.

Lambda Mu. A local music sorority which encourages high standards of musicianship and scholarship. To be eligible for membership, a woman music student must be at least a second semester

sophomore. She must have earned an A in an applied music subject, an average of B in her music studies, and an average of C in her academic studies.

Opera Workshop. Two major musical productions are presented during the academic year. A "road company" performs scenes from opera and musical comedy for schools and service clubs in the region. Singers, dancers, actors, musicians and stage craftsmen who meet the director's approval are welcomed.

Orchestras. The orchestras give students of all levels of technical proficiency experience in playing orchestral literature, and opportunities to observe orchestral procedures.

Renaissance Singers. A vocal chamber ensemble selected by audition to sing a reportoire that is more appropriate for a smaller group. The music performed ranges from the Renaissance to contemporary compositions. Concerts are given at the College and off-campus by request.

Small Ensembles. Two periods each week are kept open for rehearsals of small vocal and instrumental groups, which provide opportunity for the development of musicianship and the mastering of procedures and materials of the medium.

Group IV. *Student activities which emphasize satisfaction of interests.*

Athletics

Intercollegiate. The athletic program of Mansfield State College is intended to supplement the academic curriculum and to complement the social and recreational opportunities afforded students by the many other activity programs sponsored by the College. Athletic policies and practices are the joint responsibility of the Athletic Policies Committee, The Student Council and the Administrative Council. Operation and supervision of the program of intercollegiate athletics is the responsibility of the Director of Athletics, assisted by the Athletic Policies Committee.

Opportunity is provided for all men students who are physically eligible and subject to the rules and regulations governing intercollegiate competition to participate in intercollegiate baseball, basketball, football, golf, track and wrestling.

Intramural and Recreational. In addition to the intercollegiate program, a wide variety of intramural sports is encouraged. These include tennis, basketball, volleyball, softball, bowling, badminton, touch football, roller skating, shuffle board, wrestling, and track. Many students also enjoy excellent hunting and fishing in the area, as well as winter sports.

Special Interest Organizations

ART CLUB. An honorary society for students who attain the grade of A in at least one semester of art, the Art Club is an affiliate of the Eastern Arts Association. It aims to promote an appreciation of the fine arts through both study and creative work.

4-H CLUB. A club to develop leadership and citizenship; to provide educational and recreational opportunities and to render service to the club, the community and the country.

LES JONGLEURS. Organized in 1962, this group aims to stimulate learning and presentation of folk songs and dances through film strips, a record library, slides, guest speakers and assembly programs.

MARCHING BAND. The marching band is active during the football season, after which its personnel is absorbed into other wind organizations.

M CLUB. Open to all men who have earned a varsity letter in one or more intercollegiate sports, this club aims to encourage wholesome living and good sportsmanship and to stimulate interest in athletics.

MEN'S RECREATION ASSOCIATION. Established to create and develop interest in athletic and other recreational activities which may be enjoyed during and after college years; seeks to foster sportsmanship and clean living.

THE PLAYERS. Students interested in acting are selected by tryout. Applications are welcome from students interested in costuming, makeup or staging.

RADIO CLUB. Practical experience in writing, producing and acting of radio scripts is provided. Programs are taped in the Audio-Visual Laboratory for airing over Radio Station WNBT, Wellsboro, and elsewhere. Open to all interested students.

STUDENT P.S.E.A.-N.E.A. A chapter of the Student Pennsylvania State Education Association and the Student National Education Association. Its purpose is to provide members with opportunities for (1) personal and professional growth; (2) development of leadership skills; (3) understanding of the history, ethics, and programs at state and national levels; and (4) participation in professional activities at local, state and national levels. Any student enrolled at Mansfield State College and interested in education may become a member.

WOMEN'S ATHLETIC ASSOCIATION. Devoted to sports and recreation, this organization sponsors many activities. Members may use equipment owned by the Association. Climax of the annual program is the WAA breakfast each spring.

Social Fraternities and Sororities

ALPHA SIGMA TAU. The first social sorority to be formed on Mansfield's campus. Alpha Sigma Tau consists of women representing a cross section of all curricula. Its aim is to promote ethical, cultural, and social development of its members and the student body. Membership is limited to second semester freshmen and upperclassmen with an academic average of 2.2 or above and no record of social probation.

PHI SIGMA EPSILON. Phi Sigma Epsilon was established as a social fraternity on the Mansfield campus in April 1962. The Mansfield chapter of Phi Sigma Epsilon is recognized as Phi Nu Chapter. The aims of Phi Sigma Epsilon are to stimulate higher standards of scholarship; promote intellectual, moral, and social ideals; foster college spirit and perpetuate friendship and social ties. The membership of Phi Nu Chapter is limited to second semester freshmen and upperclassmen with academic averages of at least 2.00.

SIGMA TAU GAMMA. A national social fraternity. The purposes of this fraternity are to promote the highest ideals of manhood, brotherhood, and citizenship. It shall seek to promote social, cultural, scholarly, recreational, and benevolent fraternal relations for Mansfield State College and the members of the organization. One full semester of college courses and a cumulative average of at least 2.1 is required for membership in this fraternity.

SPECIAL EVENTS

ASSEMBLIES. Assemblies are held in Straughn Auditorium Tuesdays at 2:00 P.M. These programs supplement classroom learning and include concerts, presentations by campus organizations, speakers, and such annual events as Convocations and Awards Assembly.

Student Government Association meetings are held monthly on Thursday at 2:00 P.M.

COMMENCEMENT. Attendance at commencement ceremonies is required unless circumstances demand graduation *in absentia,* which is permitted only by the president of the college.

MANSFIELD FEATURE SERIES. Eight or more famous lecturers or entertainers are engaged by the Feature Series Committee each year. These programs enrich the cultural experiences of our students and complement their academic programs. A few past presentations have included: Mrs. Eleanor Roosevelt, Victor Reisel, Vincent Price, the Rochester Philharmonic Orchestra, and the Kai Winding Septet. This year Hamlet was one of the outstanding features. Public admission is by subscription; student admission is by presentation of ID card.

OTHER CULTURAL OPPORTUNITIES. Recitals and concerts are sponsored by the Music Department in Straughn Auditorium by the faculty and advanced students. The sixty-five piece Mansfield College-

Community Symphony Orchestra presents several concerts each year. Art shows are held regularly in the upper reading room of the library and an art acquisition program was instituted in 1962. Selected films are presented in the Allen Hall Little Theatre on Friday or Saturday evenings. The College Players present two plays a semester, which add drama, light comedy, and local talent to our cultural program. The Opera Workshop produces one Broadway musical each semester, providing excellent entertainment for the College. Admission to all of these events is gained by presentation of the student's ID card with the exception of the College Players and Opera Workshop productions, which require a small fee.

THE GENERAL ALUMNI ASSOCIATION

The General Alumni Association of Mansfield State College is chartered under the laws of the Commonwealth of Pennsylvania for the purpose of fostering a spirit of fellowship and continuing loyalty to the college. The Association meets annually.

THE MANSFIELDIAN, official organ of the General Alumni Association, keeps the alumni informed of the progress of the college, of the activities of the alumni and the various alumni clubs. This publication is sent to all dues paying members of the association. The Alumni News Bulletin is sent annually to all alumni.

Homecoming in the fall, and Alumni Day in May, are the two major campus events of the year for alumni. Alumni clubs in many parts of the country hold regional meetings.

The Alumni Association maintains permanent records of all graduates of the college. If the current address or other information is needed about a former student, correspondence should be addressed to the Alumni Office. Alumni visiting the campus are invited to visit the Alumni Office and to make it their headquarters while in the area.

STUDENT AID

GENERAL INFORMATION

As a state college, Mansfield State College offers higher education at a cost considerably below that of private and parochial colleges. For the same reason, financial assistance — both as to the number of grants made and the amounts awarded —is quite limited as compared with many colleges which are heavily endowed. While remaining committed to offering financial aid to outstandingly able students who can show evidence of financial need, Mansfield State College must necessarily recognize that the financial costs of acquiring a higher education remain, at this time, the obligation of the student and his family.

Matriculation at Mansfield State College is for a semester; the College, therefore, expects each entering student to be able to meet the expenses of the semester without the expectation of financial assistance *unless such aid has been previously arranged and confirmed.* New students, particularly, are urged to be ready to personally and wholly defray all expenses arising during their initial semester at Mansfield State College since applications for financial aid cannot be filed before formal acceptance, and applications for financial aid require considerable time to process. Similar conditions exist as pertain to student employment applications.

The following points are emphasized:

1. A new student (prospective Freshman or transfer) should not file application for, or make inquiry about, any type of aid before his admission has been confirmed by the Director of Admissions and the Advance Registration deposit has been paid to the college and acknowledged. Inquiries should then be made to the office of Student Financial Aid, Mansfield State College.
2. The only form of financial aid available to transfer students during their first semester at Mansfield State College is part-time employment and such job opportunities are extremely limited.
3. Any student requesting N.D.E.A. loans, scholarships, or federal work-study, must have filed the confidential statement related to his personal and family finances with the College Scholarship Service, Princeton, New Jersey. That agency will then advise the college of its objective analysis as to the student's (or student's family) ability to finance his own education at Mansfield State College. The Student Aid Committee utilizes this information when considering applications for all forms of student aid except state work-opportunity and N.J., N.Y., and Penna. State Educational Assistance. Responsibility for filing the confidential statement rests with the student; help may be secured from high school principals and guidance counselors. *The CSS information Sheet is NOT an application for aid.*
4. No advance disbursement of an approved financial assistance grant will be made by the college until the student has paid the Advance Registration Deposit for the semester for which the financial aid was awarded.

Off-Campus Employment

The College wishes to impress prospective students that the location of Mansfield State College in a rural, non-industrialized region of the state greatly reduces the opportunities for outside part-time

employment. Further, with increased emphasis being placed on scholastic attainment at this College, the number of hours in which a student may engage in employment has tended to drop sharply in recent years. The acquisition of off-campus employment is the responsibility of the individual student although the several Personnel Deans may be able to provide some limited job vacancy information. There has, however, been made available to qualified applicants, a small amount of part-time off-campus State and Federal Works Study Program employment. Additional information may be obtained in the office of the Dean of Student Affairs.

Part-time Campus Employment

Part-time student employment at the College is available in the dining hall, library, dormitories, grounds and buildings, student union facilities, and offices. Such employment is normally awarded to students who have demonstrated ability to do satisfactory academic work and shown evidence of financial need. These positions are normally filled by upperclassmen but a limited number of positions are open to exceptional freshmen. Requests for student employment are made after formal acceptance and payment of the Advance Registration Deposit. Applications are available from, and submitted to, the Chairman, Student Aid Committee, office of Student Financial Aid.

Part-time State and Federal Works Study Program employment is available in the dining room and library of the college. For details see the Dean of Student Affairs.

Scholarships

The following scholarships are awarded by various sponsors in cooperation with Mansfield State College. Applications are available from the office of Student Financial Aid, Administration Building.

H. W. Colegrove Scholarship Fund. Annual awards of $100 each to two deserving young women residents of McKean County, Pennsylvania, and $100 each to two deserving young women residents of Tioga County, Pennsylvania, are made for the purpose of aiding the recipients in defraying college expenses. The awards are usually made to Clarion and Mansfield State College students. These scholarships are not customarily available to new students.

Theodore Presser Foundation Scholarship Grant. The College receives annually a grant of $400 for financial grants to outstanding *junior or senior students majoring in music education.* Grants are awarded by the Music Education department with the approval of the President of the College. Applications for these grants should be made to the Chairman of the Music Education Department. Grants are made for undergraduate work for the forthcoming academic year.

Hannah Kent Schoff Memorial Scholarship. The Pennsylvania Congress of Parents and Teachers each year in April awards two four-year scholarships of $150 per year to a worthy Pennsylvania student. The student is selected by the Student Aid Committee on the basis of scholarship, personality, and financial need. Applications may be secured from, and returned to, Chairman, Student Aid Committee, office of Student Affairs. Applications must be received before March 1.

Loans

National Defense Student Loan Program. The National Defense Act of 1958, as amended, makes available to full-time students showing evidence of financial need and maintaining good academic standing, loans for college expenses. Special consideration is given those students whose academic record indicates a superior capacity in science, mathematics, engineering, or a modern foreign language or to students of superior academic background who expect to teach in elementary or secondary schools.

N.D.E.A. loans are awarded for a semester and based upon accumulative grade point average. Evidence of need will normally be on a yearly basis as evaluated by the College Scholarship Service. Currently the College makes a maximum grant of $400 per semester although the maximum provided by federal legislation is $1,000 per year and $5,000 during the borrower's enrollment. A portion of the College's N.D.E.A. Loan Fund is reserved for entering Freshman. These awards are made on the basis of financial need and academic promise as indicated by SAT scores of the College Board Examinations.

Applications for N.D.E.A. loans may be received from, and returned to, the Chairman, Student Aid Committee, office of Student Financial Aid. Application should not be made before notice of acceptance has been received and the Advance Registration Deposit paid to the College.

State Higher Education Loans. Pennsylvania, New York, and New Jersey have state agencies which guarantee a college student's loan with a banking institution. All Pennsylvania residents are eligible for this loan who are either accepted as a freshman or who are matriculating at Mansfield State College and are in good academic standing. Pennsylvania grants $1,000 per *academic* year (*as determined by semester hours completed.*) Loan applications are available from cooperating banks in the student's home area or directly from the Pennsylvania Higher Education Assistance Agency, Education Building, Harrisburg, Pennsylvania (17126). New York residents are eligible upon acceptance by this College and thereafter by maintaining a 2.0 cumulative grade point average. Grants of $750, $1,000, $1,250, and

$1,500 are awarded for the Freshman, Sophomore, Junior, and Senior years respectively. Qualification is governed by class standing as determined by semester hours completed, not by semesters of attendance. Applications are available from cooperating banks in the student's home area or directly from New York Higher Education Assistance Corporation, 111 Washington Avenue, Albany, New York (12224). The New Jersey plan is similar to the Pennsylvania and New York plans; applications may be secured from the lending institution or directly from the New Jersey Higher Education Assistance Authority, 225 West State Street, Trenton 25, New Jersey.

The following procedure has been established for processing state higher education loans at Mansfield State College:

All copies of the application should be submitted to the office of Student Financial Aid, Alumni Hall, Mansfield State College.

The office of Student Financial Aid will certify your loan application, attach all necessary supporting documents, and mail your loan request to the proper agency. Notification as to award or denial will be received directly from the respective state agency.

Normally, Mansfield State College will request that the loan granted to student borrowers be divided so that a check equal to the amount which the student will owe the Commonwealth of Pennsylvania and the Mansfield Cooperative Government Association is payable jointly to the College and the student. Any remaining amount would then be paid directly to the student for his books, supplies, clothing, and personal expenses.

Application for a state higher education loan should be made as soon as the student has accumulated sufficient credits to qualify for the higher class standing. Students are requested NOT to wait until the opening of the new school year.

Omicron Gamma Pi Student Loan Fund. Loans are made to students of the Home Economics Department with preference given to seniors. Awards are made on the basis of scholastic standing, high ideals, and strong character. Applications are received from the Chairman, Department of Home Economics and submitted to Omicron Gamma Pi which makes the individual loans.

Stevens Brothers Foundation Loans. Loans of $25 to $50 per month during the Senior year are made to *Senior* men who will commence work at the close of the academic year. Additional information and applications may be secured from Chairman, Student Aid Committee, Office of Student Financial Aid.

INSTRUCTION

SCHOLASTIC REQUIREMENTS AND STANDARDS

Academic Counsel

Students are urged to make full use of the academic advisory service of the college. Academic guidance is not only available from a regularly assigned academic adviser, but also from the student's department chairman, instructors, and the Dean of Instruction. Regular faculty office hours are scheduled for this purpose.

A student should make his choice of curriculum with care. Information regarding the various fields of study offered at Mansfield may be obtained before enrollment from the Director of Admissions and department chairmen during interview. Since many students will undertake graduate study after completing their initial preparation for teaching, they should confer with college authorities regarding areas of specialization and courses.

Marking and Point System

Mansfield employs the following system in grading academic performance:

Grade	*Interpretation*	*Quality Points*
A	Excellent	4
B	Superior	3
C	Average	2
D	Passing	1
E	Incomplete	
F	Failure	0

In addition to these letter grades the following designations are used in special situations:

W	Withdrew from course with approval of Dean of Instruction's Office
S	Satisfactory
U	Unsatisfactory
Ex	Credit by Examination
Aud	Audited

Instructors may correlate percentage scores with letter grades. For each correlation the following list of equivalents is presented as a guide, when applicable: A=90—100; B=80—89; C=70—79; D=60—69; F= below 59.

The academic standing of a student in every subject is reported at the close of each semester. The *quality point average* is an index to the over-all quality of a student's academic work and represents his academic standing. This average is determined by dividing the sum of the quality points earned by the number of semester hours of work scheduled.

An F grade in a required course must be cleared by repeating the course. An E grade (incomplete) is used to denote unfinished work caused by death in the family, personal illness, accident, induction into military service, or other justifying circumstances. Removal of an E grade must be accomplished by completetion of required work after the beginning of the next regular semester or by re-scheduling of the, course; otherwise the E grade will be recorded as a failing mark. Course work unfinished at the end of a semester because of negligence by a student will result in an F grade.

Only courses in which D or F grades were received may be repeated for revision of cumulative point average. Students allowed to repeat a course will have the highest grade received in the course recorded.

Academic Standing

To remain in satisfactory standing a student must maintain a cumulative quality point average of 2.00 or better. A student whose over-all quality point average falls below 2.00 at the end of any semester other than the first semester of his freshman year is permitted to attend the following semester on probation in an effort to raise his quality point average to 2.00 or better. A student whose quality point average falls below 1.00 in the first semester of his freshman year will be dismissed. A student whose quality point average falls between 1.00 and 1.99 in the first semester of his freshman year is permitted two semesters on probation providing that by the close of his second semester his cumulative point average is 1.80 or better. Any student whose cumulative quality point average remains below 2.00 at the close of his probationary period is automatically dismissed from the college. A one-semester interval must elapse before a student who has been dismissed for academic deficiency, may be considered for reinstatement by the Committee on Admissions.

Class Status

Class status is determined by the total semester hours of work passed, including acceptable credits transferred from another college:

Credits	*Class Status*
0-29	Freshman
30-61	Sophomore
62-94	Junior
95-	Senior

Junior Class Standing

At the end of the sophomore year a student must achieve junior class standing, for which the following requirements must be met:

1. A minimal 62 semester hours of credit with a quality point average of 2.0 or better.
2. At least a C grade in both English I and English II.
3. Endorsement by the academic department chairman as a prerequisite for continuing in a field of specialization.

No student may be assigned to student teaching without having achieved junior class standing. Additional requirements may be stipulated by specific departments.

Credit Hours Scheduled

From 14 to 18 semester hours constitute a normal work schedule. A student desiring to carry more than 18 semester hours must obtain permission from his department chairman and the Dean of Instruction before registering. Such permission will be based upon the student's academic standing.

Dean's List and Honor Roll

The Dean's List, issued after the close of each semester, contains the names of those students who have earned an average of 3.5 or higher for the semester.

Superior scholastic achievement is recognized by means of the college honor roll. Such recognition becomes a permanent part of every graduating senior's record, with designations based upon cumulative point averages as indicated:

Honors	3.35 to 3.64
High Honors	3.65 to 3.94
Highest Honors	3.95 to 4.0

Credit by Examination

A student in good academic standing may request permission to take a comprehensive examination in a particular course offered by the college. All requests for credit by examination must be made to the department chairman involved and reviewed by the Dean of Instruction. A student must present evidence that he is sufficiently competent to warrant the examination. If the request is approved, the student will register for the course by the normal procedure used for all courses. The semester hours of credit earned by examination will apply toward graduation requirements.

Advanced Placement Program

Courses taken before admission to college under the Advanced Placement Program conducted by the Educational Testing Service, Princeton, New Jersey, may be applied toward graduation requirements by students who are admitted to college to pursue one or more semester's work. To secure such credit the student must make formal application to the Office of the Dean of Instruction. The course must satisfy college requirements and the score on the Educational Testing Service examination must be satisfactory to college officials. If the request for advanced placement is approved, the student will register for the course and pay the established fee. Not more than twelve (12) credits earned by such examination may be applied toward graduation requirements.

Advanced Standing Credit from Other Colleges

Students wishing to transfer to Mansfield from other colleges should apply to the Director of Admissions. An applicant for transfer must provide a statement of honorable dismissal and an official transcript of his previous college record, and must meet the same entrance requirements as any other applicant. Advanced standing credit will be given for equivalent courses completed in approved institutions of collegiate status, but only courses completed with a grade at least one grade above the lowest passing grade will be accepted for credit.

A minimum residence of one year is mandatory for a degree or for the completion of a certification requirement.

Credit for Military Service

Veterans with a minimum of eighteen (18) months of honorable service in the United States Army, Navy, Marine Corps, and Air Force, may apply to the Dean of Instruction for credit in HPE 100 (Health), and HPE 101, 102, 103 and 104 (Physical Education).

Absence Policy

Careful preparation of assignments, regular class attendance, and attendance at college lectures are factors that contribute to high standing. Regular and punctual class attendance is expected of all students at all times. A student cannot reap the full benefits of instruction when absent. Lowering of scholastic standing, failure, and dismissal are penalties suffered by students who are excessively absent.

The following policies concerning absence have been adopted:

1. Instructors will report to the dean of men or women (as appropriate) three successive absences on the part of any student.

2. Absences for illnesses, emergencies, or for college representation will be considered authorized absences by instructors; therefore, students should present to their instructors a doctor's or college nurse's illness slip in case of sickness or a statement from the Personnel Dean in case of emergency. Students representing the college in a college activity should check to make certain that their names are included in the list of participants published by the Office of the Dean of Student Affairs.

   The office of the Dean of Student Affairs will submit to all instructors an initial list of names of individuals who because of college representation, will be absent from class. After the event, a definite list of the students who actually participated in each event will be supplied by the department concerned, so that an accurate student accounting can be kept. These lists will serve as a guide for the instructor in his evaluation of an absence.

3. Students are responsible directly to their instructors for class and laboratory attendance, and absences must be made up to the satisfaction of the instructor.

Withdrawal from a Course

Withdrawal from a course is permitted only for justifiable reason, and with the approval of both department chairman and Dean of Instruction.

No notation of a course dropped will appear on the student's permanent record if he withdraws (a) during the first three week's of the semester, or (b) during the first week of a six-week summer session, Withdrawal from a course after the period specified will not be approved except for adequate cause.

A student will receive an F in any course from which he withdraws without approval.

The following procedure is required for withdrawal from a course:

1. The student procures the necessary "drop" form in the office of the Dean of Instruction.
2. He submits this form to his instructor and his department chairman for approval, which will be indicated by their signatures and any comment added to the form.
3. The department chairman, after making the necessary changes in department records, transmits the "drop" form directly to the office of the Dean of Instruction for final processing.

The same procedure is followed when a student wishes to add a course in place of a course dropped, except that he must also obtain the signed approval of the instructor of the course in which he

wishes to enroll. Such substitution will not, however, be permitted at any time when there is reason to believe that the student cannot make up the work missed in the course he wishes to substitute.

Change in Curriculum

Discussions regarding a change of curriculum may be held at any time. However, actual changes must be made by December 1 of the Fall Semester, April 15 of the Spring Semester, or August 1 of the Summer Session.

A student desiring to change his curriculum, should consult first with his Department Chairman and then the office of the Dean of Instruction and, if approved for change, will process the necessary forms by the above dates.

Withdrawal from College

Any student dropping out of college is required to notify the Dean of Instruction and the Dean of Men or Women of intention to withdraw and the circumstances involved in order that the permanent record may be properly completed. Withdrawal without proper notification and approval will prejudice a student's record and his chance for future readmission.

Readmission of Former Students and Maintenance of Matriculation

All former students who have not been in regular attendance during the academic year — Fall and Spring semesters — must be readmitted to the College. When readmitted, students will follow the degree requirements in effect at the time of their re-entry.

Students who are employed full-time while taking course work toward a degree must complete each year six (6) semester credits of acceptable course work toward their degree requirements. These credits may be taken in residence or as transfer courses to maintain their matriculation. The year is from September 1st to August 31st.

PROGRAMS OF INSTRUCTION

Basic Features of the Instructional Program

The following curricula represent a threefold aim: (a) to provide students with a more firmly based liberal education, (b) to strengthen preparation in subject fields, and (c) to promote a more vigorous and disciplined intellectual life. Courses in every curriculum encompass three main divisions: general education, professional education, and area of specialized study, representing together a minimum total of 128 semester hours for graduation.

All degree students are required to complete at least 60 semester hours of courses in general education as a principal integrative factor in their academic experience. It is here that they share the common values of our society in studies designed to broaden their intellectual horizon and to enhance their cultural life. Accordingly, a major part of the schedule of required general education courses is common to all the curricula offered.

General Education Courses Common to All Curricula*

48 Semester Hours

Humanities (17 S.H.)

			S.H.
Art	101	English I	3
Eng	101	English II	3
Eng	102	Fundamentals of Speech	3
Spc	101	General Literature I	2
Eng	110	General Literature II	2
Eng	111	Introduction to Art	2
Mus	101	Introduction to Music	2

Natural Sciences (15 S.H.)

Ma	101	Fundamental Concepts in Mathematics	3
Bio	101	Man and the Biological World I	3
Bio	102	Man and the Biological World II	3
Phy	101	Man and the Physical Universe I	3
Phy	102	Man and the Physical Universe II	3

Social Studies (12 S.H.)

SS	101	World Civilization I	3
SS	102	World Civilization II	3
SS	103	History of the U. S. and Pa. I	3
SS	104	History of the U. S. and Pa. II	3

Human Development and Behavior (4 S.H.)

			S.H.
Ed	101	General Psychology	3
HPE	100	Health (Personal and Community)	1
HPE	101, 102, 103, 104	Physical Education	0

*Except for variations of substitutions specified in programs for certain departments, as indicated in course schedules which follow.

Restricted General Education Electives

General Education electives to complete the total of 60 semester hours will be confined to courses that are consonant with the objectives defined above. They include courses specified or recommended by each department, as well as courses chosen by students themselves. To complete this phase of the curriculum, most programs of study include modern foreign languages and an introductory course in philosophy, as indicated in schedules which follow.

Substitutions in General Education

As determined by a screening committee in the subject area concerned, and with the confirmation of the Dean of Instruction, a student properly qualified by advanced standing may be exempt from an otherwise required General Education course, and he may elect instead a more advanced or suitable course in the same field. The course substituted should be so designated in the student's record.

Honors Program

Through the honors program a student at Mansfield with an outstanding academic record is given an opportunity to pursue advanced individual study and research in his major course area, and to extend the scope of his work beyond the limits of a parallel course.

1. In order to be considered for honors work, a student must have attained an overall scholastic average of at least 2.8.
2. A petition for honors work must be submitted in writing by the student to the chairman of the major department in which he is enrolled. Such petition must be received by the chairman during the semester preceding the period in which the student plans to pursue honors work. The petition form may be secured from the office of the Dean of Instruction.
3. Students petitioning for honors courses will be screened for approval by the department chairman on the following points:
    a. Over-all scholastic accomplishment,
    b. Effectiveness in written and oral expression,
    c. Ability to perform independent study and research under close supervision.
4. Honors work will not constitute more than three semester hours of course credit per semester, and a total not exceeding twelve semester hours of credit toward the major field.
5. Honors work must meet high standards of scholarship. At least a B grade must be earned under rigorous standards for such work to receive credit as an honors course.

6. After an adviser from the student's major department has been selected to guide his honors program, they will together organize the work of the student's junior and senior years into a unified program.

7. Honors work will not take the place of regularly offered college course work, but will consist of work in phases of study not usually offered in the student's major field.

8. A student may be dropped from the honors program for the following reasons:
    a. Failure to achieve a Quality Point Average of 2.5 for course work in the semester during which honors are taken.
    b. Failure to produce scholarly work (as defined in 5, above).
    c. Special circumstances (e.g., poor health) by mutual agreement of student and adviser.

9. Students withdrawing from the honors program after the completion of more than one semester of work will receive credit for work already accomplished, as determined jointly by the honors adviser, the department chairman and the Dean of Instruction.

10. On the student's record, honors courses will be listed as Honors I, Honors II, Honors III, and Honors IV, with a further designation appropriate to the nature of the study pursued; e.g., Honors I (Naturalism in the Novels of Frank Norris) or Honors II (Problems in Economic Geography).

Accelerated Programs

Students in good standing who wish to complete their work for a degree in less than the customary four years may do so by attending summer sessions. Courses for accelerating students are regularly scheduled during the summer. Those planning to obtain a degree in three years should confer in their first year with their department chairmen for special advice and schedule of studies.

Student Teaching

A semester of student teaching in the senior year normally completes the student's preservice professional experience. Student teaching is conducted under the guidance of master teachers and college supervisors at the Campus Elementary School and at cooperating elementary and secondary schools in areas served by the college. Student teachers are encouraged to live in the community in which they are teaching. All student teaching assignments follow a calendar established by the college for student teaching.

Assignments to student teaching are made with the joint approval of the department chairman, the Dean of Instruction and the Director of Student Teaching. No student is eligible for assignment who has failed to achieve junior class standing and at least a 2.0 average in any field or fields in which he is to be certified, and a 2.0 average overall. Students should consult their department chairman concerning additional student teaching requirements.

CURRICULA

Mansfield State College offers the following undergraduate curricula:

A. Teacher Education

1. Elementary Education
2. Secondary Education, comprising majors in the academic subjects taught in secondary schools.
3. Music Education
4. Home Economic Education
5. Library Science Education
6. Degree Curriculum for Public School Nurses
7. Degree Curriculum for Public School Dental Hygienists

B. Liberal Arts

1. Humanities
2. Natural Sciences
3. Social Sciences

Courses in "Safety Education," known also as "driver training," do not constitute a curriculum, but may be taken for certification by students in any of the major fields. Consult the Chairman, Department of Health and Physical Education, for further information on this program.

Sequence of courses is subject to change for administrative reasons.

Course-Number Code

Courses in the 100 series represent General Education courses required of all degree students.

Courses in the 200 series represent required courses in their respective curricula.

Courses in the 300 series are electives.

The 400 level includes student teaching and seminars.

TEACHER EDUCATION

ELEMENTARY EDUCATION CURRICULUM

			Cl.* Hrs.	Sem. Hrs.
General Education (60 semester hours)				
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts of Mathematics	3	3
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Phy	101	Man and the Physical Universe I	4	3
Phy	102	Man and the Physical Universe II	4	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U.S. and Pa. I	3	3
SS	104	History of the U.S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
Geog	202	Cultural Geography	3	3
		General Education Electives		9
				60
Professional Program (24 semester hours)				
Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	400	Student Teaching	30	12
Ed El	401	Professional Seminar including School Law	2	2
				24
Elementary Area Program (26 semester hours)				
Ed El	250	Child Development	3	3
Ed El	260	Children's Literature	3	3
Ed El (Mus)	280	Music for Elementary Grades	2	1
Ed El (Mus)	281	Teaching Music in the Elementary Grades	3	2
Ed El (Art)	282	Teaching Art in the Elementary Grades	5	3
Ed El	283	Teaching of Reading	3	3
Ed El	284	Teaching of Arithmetic	3	3
Ed El	285	Methods I and Participation (Language, Health, Physical Education)	4	4
Ed El	286	Methods II and Participation (Social Studies, Science)	4	4
				26

*Clock Hours or number of 50-minute class sessions per week.

Electives for Elementary Majors (18 semester hours)

Electives organized for concentration in specific fields, such as English, social sciences, or a modern foreign language, etc. 18

TOTAL SEMESTER HOURS: 128

Elementary Curriculum—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
Ma	101	Fundamental Concepts in Mathematics	3
HPE	100	Health (Personal and Community)	1
HPE	101	Physical Education I	0
		General Education Elective	3
			16

Second Semester

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Biological World II	3
Spc	101	Fundamentals of Speech	3
HPE	102	Physical Education II	0
Ed El (Mus)	280	Music for Elementary Grades	1
		General Education Elective	3
			16

Third Semester

Eng	110	General Literature I	2
Art	101	Introduction to Art	2
SS	103	History of the U. S. and Pa. I	3
Phy	101	Man and the Physical Universe I	3
Ed	101	General Psychology	3
HPE	103	Physical Education III	0
Ed El (Mus)	281	Teaching Music in the Elementary Grades	2
		General Education Elective	3
			18

Fourth Semester

Eng	111	General Literature II	2
Mus	101	Introduction to Music	2
SS	104	History of the U.S. and Pa. II	3
Phy	102	Man and the Physical Universe II	3
HPE	104	Physical Education IV	0
Ed	201	Educational Psychology	3
		Elective	3
			16

Fifth Semester

				S.H.
Ed El		285	Methods I and Participation (Language, Health, Physical Education)	4
Ed El		283	Teaching of Reading	3
Ed El	(Art)	282	Teaching of Art in the Elementary Grades	3
Ed		202	Evaluative Techniques	2
			Electives	6
				18

Sixth Semester

Ed El	286	Methods II and Participation (Social Sciences, Science)	4
Ed El	284	Teaching of Arithmetic	3
Ed El	250	Child Development	3
Ed	215	Audio-Visual Communication	2
		Electives	3
			15

Seventh Semester*

Geog	202	Cultural Geography	3
Ed	230	History and Philosophy of Education	3
Ed El	260	Children's Literature	3
Ed El	401	Professional Seminar including School Law	2
		Electives	6
			17

Eighth Semester*

Ed	400	Student Teaching	12
			12

SECONDARY EDUCATION CURRICULUM

General Education Program (60 Semester Hours)

For the degree in Secondary Education students must complete at least 60 semester hours of courses in General Education as specified or recommended by the departments of their major fields. (See individual department programs, following.)

Professional Education Program

See individual department programs for schedule of professional courses in the secondary curriculum.

*Can be interchanged

Areas of Specialization

Schedules for major areas in the secondary curriculum are given under each department as indicated below:

HUMANITIES DEPARTMENT
- English Education
- Speech and Drama Education
- Foreign Languages

MATHEMATICS DEPARTMENT

SCIENCE DEPARTMENT
- Biology
- Chemistry
- Earth and Space Science
- Physics-Mathematics Comprehensive

SOCIAL SCIENCES DEPARTMENT
- Geography
- History
- Social Studies

Second Field of Specialization

The new regulations of the State Department of Public Instruction (effective October 1, 1963) have eliminated certification in minor fields as such. However, attention is called to the following statement in the DPI directive of May 1959:

> A holder of a provisional college certificate may be granted a temporary certificate to teach additional academic subjects provided the individual has completed eighteen semester hours in the subject for which the temporary certificate may be issued. The temporary certificate may be granted at the request of an administrative official in the school district for a period not to exceed three years. Before the academic subject or subjects listed on the temporary certificate can be made a part of a provisional or permanent certificate, the eighteen semester hours shall be increased to the number of semester hours required for the subject field.

In view of this stipulation, students may be permitted, when possible, to accumulate a minimum of 18 semester hours in a second field, thus anticipating post-baccalaureate work leading to provisional or permanent certification in that field. Such second-field concentration is, of course, more feasible in certain areas than in others. For example, by taking six additional semester hours of a foreign language beyond the 12 for which, normally, there is room in his program, an English major could accumulate the basis for eventual certification in that area. Similarly, areas of emphasis may be developed in such combinations as social studies and geography, or English and speech. It should be noted, however, that not all programs permit of such extension into a second field of emphasis.

HUMANITIES DEPARTMENT

English Education Major

			Cl. Hrs.	Sem. Hrs.
General Education (62 semester hours)				
Eng	101	English I	3	3
Eng	102	English II	3	3
Sps	101	Fundamental of Speech	3	3
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts in Math.	3	3
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Phy	101	Man and the Physical Universe I	4	3
Phy	102	Man and the Physical Universe II	4	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of U. S. and Pa. I	3	3
SS	104	History of U. S. and Pa II	3	3
Ed	101	General Psychology	3	3
SS	320	History of England	3	3
Phil	201	Introduction to Philosophy	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
		*Foreign Language		12
				62
Professional Program (29 semester hours)				
Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Eng	290	Teaching English in the Secondary Schools	3	3
Ed.	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching of Reading in the Secondary Schools	2	2
				29
Area of Specialization (37 semester hours)				
Eng	200	Survey of English Literature	3	3
Eng	202	Survey of American Literature	3	3
Eng	210	Western World in Literature I	3	3
Eng	211	Western World in Literature II	3	3
Eng	225	English Philosophy and Grammar	3	3
Eng	235	Advanced Composition	3	3

*A student begins a foreign language with course 101 or 201 in his chosen language, depending on his high school preparation or on his passing a qualifying test. A student who has had no foreign language in high school begins his language with course 101 (beginning course). A student who has had two years of a foreign language in high school begins with 101 or 201, depending on whether he passes a qualifying test given by the appropriate language professor.

Eng	250	Shakespeare	3	3
**Eng	300	Journalism	1	1
		English Electives		15
				37

TOTAL SEMESTER HOURS: 128

English Education Major—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
Spc	101	Fundamentals of Speech	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
Eng	200	Survey of English Literature	3
HPE	101	Physical Education I	0
			15

Second Semester

Eng	102	English II	3
Ma	101	Fundamental Concepts in Mathematics	3
SS	102	World Civilization II	3
Bio	102	Man and The Biological World II	3
Eng	202	Survey of American Literature	3
HPE	100	Health	1
HPE	102	Physical Education II	0
			16

Third Semester

		English Elective	3
		*Foreign Language (Required)	3
SS	103	History of U. S. and Pa. I	3
Phy	101	Man and the Physical Universe I	3
Art	101	Introduction to Art	2
Eng	210	Western World in Literature I	3
HPE	103	Physical Education III	0
			17

Fourth Semester

		Foreign Language (required)	3
Mus	101	Introduction to Music	2
SS	104	History of U. S. and Pa. II	3
Phy	102	Man and the Physical Universe II	3
Eng	211	Western World in Literature II	3
Eng	225	English Philology and Grammar	3
HPE	104	Physical Education IV	0
			17

**A student may substitute a three hour English elective for Journalism.

*A student who has had two or more years of a language in high school begins with 101 or 201 in his chosen language depending on whether or not he passes a qualifying test given by the appropriate language professor.

Fifth Semester

		Foreign Language (Required)	3
Ed	101	General Psychology	3
SS	320	History of England	3
Eng	235	Advanced Composition	3
Eng	250	Shakespeare	3
		English Elective	3
			18

Sixth Semester

		Foreign Language (Required)	3
Ed	201	Educational Psychology	3
Ed	240	Problems of Secondary Education including School Law	2
Phil	201	Introduction to Philosophy	3
Eng	290	Teaching English in the Secondary Schools	3
		English Elective	3
			17

Seventh Semester*

Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed	402	Professional Seminar and Teaching of Reading in the Secondary Schools	2
**Eng	300	Journalism	1
		English Electives	6
			16

Eighth Semester*

Ed	400	Student Teaching	12
			12

Modern Foreign Language Major

General Education (60 semester hours)			*Cl. Hrs.*	*Sem. Hrs.*
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts in Mathematics	3	3
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Phy	101	Man and the Physical Universe I	4	3
Phy	102	Man and the Physical Universe II	4	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U. S. and Pa. I	3	3

*Can be interchanged..

**A student may take a three-hour English elective in place of Journalism.

SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
*Eng	225	English Philology and Grammar	3	3
		General Education Electives		9
				60

Professional Program (29 semester hours)

Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
	290	Teaching of Foreign Language (Designated—French, German, Russian or Spanish)	3	3
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching of Reading in the Secondary School	2	2
				29

Area of Specialization (24 semester hours)

201	Intermediate (Fr., Ger., Rus., Span.)	3	3
202	Intermediate (Fr., Ger., Rus., Span.)	3	3
225	Linguistics (Fr., Ger., Rus., Span.)	3	3
301	Survey of Literature (Fr., Ger., Rus., Span.)	3	3
302	Survey of Literature (Fr., Ger., Rus., Span.)	3	3
305	Conversational (Fr., Ger., Rus., Span.)	3	3
	Literature Electives (French, German, Russian, Spanish)		6
			24

Second Area of Specialization (15 semester hours)

Electives in Second Area of Specialization	15

TOTAL SEMESTER HOURS: 128

A Foreign Language Major or Minor

1. A language major requires 24 semester hours beyond the introductory courses numbered 101 and 102.
2. All majors and minors must elect English 225 — English Philology and Grammar.
3. A major in a given language requires 24 hours of courses in that language which must include. 225, 301, 302, and 305.
4. A minor in a given language requires 18 hours of courses in that language which must include: 225 and 305.

*Required Elective.

5. The study of a language will begin on a level determined by competency achieved in secondary school.
   Students who have had a year or less of a foreign language in high school should begin with 101; those who have had two years in high school should ordinarily elect 201.
6. All language majors and prospective teachers of foreign languages MUST pass a proficiency examination as a prerequisite for graduation. The teacher certification proficiency examination consists of four parts — listening comprehension, speaking, reading, and writing. Language majors are urged to take the examination in the second semester of their junior year.
7. Those seeking a Comprehensive Foreign Language Certificate must fulfill the major requirements as shown, plus taking 12 hours in a second language, which must include 225 and 305. Credit may be received for 101 and 102 in this second language (subject to restrictions of prior preparation), but in this case, such students must take a total of 18 hours of work within the elected second language. In short, students commencing the study of a second language in a 201 area, or above, need only 12 additional hours; all others must have a total of 18 hours in the second language.
8. Education course 290 — Teaching of Foreign Languages — must be completed in any language taken as a major field. This course is not considered as part of the 24 semester hours required in the major language field. It is evaluated as a requirement under the Professional Program.

Modern Foreign Language Major—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
Spc	101	Fundamentals of Speech	3
HPE	101	Physical Education I	0
		Language Elective	3
			15

Second Semester

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Bological World II	3
Ma	101	Fundamental Concepts in Mathematics	3
HPE	100	Health	1
HPE	102	Physical Education II	0
		Language Elective	3
			16

Third Semester

Art	101	Introduction to Art	2
SS	103	History of U. S. and Pennsylvania I	3
Phy	101	Man and the Physical Universe I	3
Eng	110	General Literature I	2
HPE	103	Physical Education III	0
		Language Elective	3
		General Education Elective	3
			16

Fourth Semester

Mus	101	Introduction to Music	2
SS	104	History of U. S. and Pennsylvania I	3
Phy	102	Man and the Physical Universe II	3
Eng	111	General Literature II	2
HPE	104	Physical Education IV	0
		Language Elective	3
		General Education Elective	3
			16

Fifth Semester

Ed	101	General Psychology	3
Eng	225	English Philology & Grammar	3
	225	(Fr., Ger., Rus., Span.) Linguistics	3
		Language Elective	3
		General Education Elective	3
		Second Area Elective	3
			18

Sixth Semester

Ed	201	Educational Psychology	3
Ed	240	Problems of Secondary Education including School Law	2
	290	Teaching Foreign Language	3
		Language Elective	3
		Second Area Electives	6
			17

Seventh Semester*

Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed	402	Professional Seminar and Teaching of Reading in the Secondary School	2
		Language Elective	3
		Second Area Electives	6
			18

Eighth Semester*

Ed	400	Student Teaching	12

Speech and Drama Education Major

General Education (66 semester hours)			*Cl. Hrs.*	*Sem. Hrs.*
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature	2	2

*Can be interchanged

Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts in Mathematics	3	3
Bio	101	Man and the Biol. World I	4	3
Bio	102	Man and the Biol. World II	4	3
Phy	101	Man and the Physical Universe I	4	3
Phy	102	Man and the Physical Universe II	4	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of U. S. and Pa. I	3	3
SS	104	History of U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
SS	320	History of England	3	3
Phil	201	Introduction to Philosophy	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
		Foreign Language		12
				66

Professional Education (29 semester hours)

Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Spc	290	Teaching Speech and Drama in the Secondary Schools	3	3
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary Schools	2	2
				29

Area of Specialization in Speech and Drama (24 semester hours)

Spc	200	Oral Interpretation	3	3
Spc	210	Phonetics and Voice	3	3
Spc	250	Play Production	3	3
Spc	270	Discussion, Debate and Parliamentary Procedure	3	3
Spc	275	Speech Development and Improvement	3	3
		Speech and Drama Electives		9
				24

A second area of concentration or further work in Speech and Drama 9

9

TOTAL SEMESTER HOURS: 128

Speech and Drama Education Major—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
SS	101	History of Civilization I	3
Bio	101	Man and the Biological World I	3
Spc	101	Fundamentals of Speech	3
Eng	110	General Literature I	2
HPE	100	Health (Personal and Community)	1
HPE	101	Physical Education I	0
			15

Second Semester

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Biological World II	3
Ma	101	Fundamental Concepts in Mathematics	3
Eng	111	General Literature II	2
Spc	250	Play Production	3
HPE	102	Physical Education II	0
			17

Third Semester

Art	101	Introduction to Art	2
Phy	101	Man and the Physical Universe I	3
SS	103	History of U. S. and Pa. I	3
Spc	200	Oral Interpretation	3
HPE	103	Physical Education III	0
		Foreign Language Elective	3
		Speech and Drama Elective	3
			17

Fourth Semester

Mus	101	Introduction to Music	2
Phy	102	Man and the Physical Universe II	3
SS	104	History of U. S. and Pa. II	3
Spc	210	Phonetics and Voice	3
		Foreign Language Elective	3
		Speech and Drama Elective	3
HPE	104	Physical Education IV	0
			17

Fifth Semester

Ed	101	General Psychology	3
SS	320	History of England	3
Spc	270	Discussion, Debate and Parliamentary Procedure	3
		Foreign Language Elective	3
		Second Area Elective	3
			15

Sixth Semester

Ed	201	Educational Psychology	3
Ed	240	Problems of Secondary Education including School Law	2
Phil	201	Introduction to Philosophy	3
Spc	290	Teaching Speech and Drama in the Secondary School	3
Spc	275	Speech Development and Improvement	3
		Foreign Language Elective	3
			17

Seventh Semester*

Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		Speech and Drama Elective	3
		Second Area Electives	6
			18

Eighth Semester*

Ed	400	Student Teaching	12

MATHEMATICS DEPARTMENT

General Education (60 semester hours)			*Cl. Hrs.*	*Sem. Hrs.*
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	270	History and Philosophy of Mathematics	3	3
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Phy	201	General Physics I	5	3
Phy	202	General Physics II	5	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	2	2
SS	103	History of U. S. and Pa. I	3	3
SS	104	History of U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
		General Education Electives (by department advisement)		12
				60

*Can be interchanged.

Professional Program (26 semester hours)

Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Ma	290	Teaching Mathematics in the Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2	2
				26

Area of Specialization (42 semester hours)

*Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
Ma	213	Differential Equations	3	3
Ma	220	Linear Algebra and Matrix Theory	3	3
Ma	221	Modern Algebra	3	3
Ma	230	Modern Geometry	3	3
Ma	250	Probability and Statistics I	3	3
		Mathematics Electives		9
		Electives (Mathematics or Science)		9
				42

TOTAL SEMESTER HOURS: 128

Mathematics Major—Semester Schedule

First Semester

Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
Spc	101	Fundamentals of Speech	3
*Ma	210	Analytic Geometry and Calculus I	3
Mus	101	Introduction to Music	2
HPE	101	Physical Education I	0
			17

Second Semester

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Biological World II	3
Phy	201	General Physics I	3
Ma	211	Analytic Geometry and Calculus II	3
Art	101	Introduction to Art	2
HPE	102	Physical Education II	0
			17

*If preparation in algebra and trigonometry is not adequate to permit a student to proceed immediately to Ma 210, he must complete Ma 100 in addition to the course listed.

Third Semester

Eng	110	General Literature I	2
SS	103	History of U. S. and Pa. I	3
Phy	202	General Physics II	3
Ma	212	Analytic Geometry and Calculus III	3
Ma	213	Differential Equations	3
HPE	103	Physical Education III	0
		General Education Elective (by department advisement)	3
			17

Fourth Semester

Eng	111	General Literature II	2
SS	104	History of U. S. and Pa. II	3
Ed	215	Audio-Visual Communication	2
Ma	250	Probability and Statistics I	3
HPE	104	Physical Education IV	0
		Mathematics or Science Elective	3
		General Education Elective (by department advisement)	3
			16

Fifth Semester

Ed	101	General Psychology	3
Ma	221	Modern Algebra	3
Ma	230	Modern Geometry	3
Ma	270	History and Philosophy of Mathematics	3
HPE	100	Health	1
		General Education Elective (by department advisement)	3
			16

Sixth Semester

Ed	201	Educational Psychology	3
Ma	220	Linear Algebra and Matrix Theory	3
Ma	290	Teaching Mathematics in Secondary School	2
		Mathematics Elective	3
		Mathematics or Science Elective	3
		General Education Elective (by department advisement)	3
			17

Seventh Semester*

Ed	230	History and Philosophy of Education	3
Ed	240	Problems of Secondary Education including School Law	2
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		Mathematics Electives	6
		Mathematics or Science Elective	3
			16

Eighth Semester*

Ed	400	Student Teaching	12

*Can be interchanged.

SCIENCE DEPARTMENT

Biology Major

		General Education (60 semester hours)	Cl. Hrs.	Sem. Hrs.
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts in Mathematics I	3	3
Ma	102	Fundamental Concepts in Mathematics II	3	3
Phy	151	Introductory Physics I	5	3
Phy	152	Introductory Physics I	5	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of U. S. and Pa. I	3	3
SS	104	History of U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
Sci	270	History and Philosophy of Science	3	3
		General Education Electives (Foreign Language recommended)		12
				60

		Professional Program (26 semester hours)		
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Sci	290	Teaching Science in the Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2	2
				26

		Area of Specialization (42 semester hours)		
Bio	201	Zoology I	6	4
Bio	202	Zoology II	6	4
Bio	203	Botany I	6	4
Bio	204	Botany II	6	4
Chem	201	General Chemistry I	6	4
Chem	202	General Chemistry II	6	4
Chem	221	Organic Chemistry I	6	4
Chem	222	Organic Chemistry II	6	4
		Biology Electives (must include at least one field and one laboratory course) (Bio 404-Biology Seminar—1 s.h.—required)		10
				42

TOTAL SEMESTER HOURS: 128

Biology Major—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
Ma	101	Fundamental Concepts in Mathematics I	3
SS	101	World Civilization I	3
Bio	201	Zoology I	4
Chem	201	General Chemistry I	4
HPE	101	Physical Education I	0
			17

Second Semester

Eng	102	English II	3
Ma	102	Fundamental Concepts in Mathematics II	3
SS	102	World Civilization II	3
Bio	202	Zoology II	4
Chem	202	General Chemistry II	4
HPE	100	Health	1
HPE	102	Physical Education II	0
			18

Third Semester

Eng	110	General Literature I	2
SS	103	History of the U. S. and Pa. I	3
Bio	203	Botany I	4
Chem	221	Organic Chemistry I	4
HPE	103	Physical Education III	0
		General Education Elective	
		OR	
		Foreign Language Elective	3
			16

Fourth Semester

Eng	111	General Literature II	2
SS	104	History of U. S. and Pa. II	3
Bio	204	Botany II	4
Chem	222	Organic Chemistry II	4
HPE	104	Physical Education IV	0
		General Education Elective	
		OR	
		Foreign Language Elective	3
			16

Fifth Semester

Spc	101	Fundamentals of Speech	3
Mus	101	Introduction to Music	2
Ed	101	General Psychology	3
Phy	151	Introductory Physics I	3
		Biology Elective	3
		General Education Elective	
		OR	
		Foreign Language Elective	3
			17

Sixth Semester

			S.H.
Art	101	Introduction to Art	2
Ed	201	Educational Psychology	3
Phy	152	Introductory Physics II	3
Sci	290	Teaching Science in the Secondary School	2
		Biology Elective	3
		General Education Elective	
		OR	
		Foreign Language Elective	3
			16

Seventh Semester*

Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed	240	Problems of Secondary Education including School Law	2
Sci	270	History and Philosophy of Science	3
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		Biology Electives (Bio 404-Biology Seminar—1 s. h. required)	4
			16

Eighth Semester*

Ed	400	Student Teaching	12

Chemistry Major

General Education (60 semester hours)

			Cl. Hrs.	Sem. Hrs.
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Phy	201	General Physics I	5	3
Phy	202	General Physics II	5	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U. S. and Pa. I	3	3
SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Commuunity)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
Sci	270	History and Philosophy of Science	3	3
		German Electives (1 year required)		6
		General Education Electives		6
				60

*Can be interchanged.

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Sci	290	Teaching Science in the Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2	2
				26

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

Chem	201	General Chemistry I	6	4
Chem	202	General Chemistry II	6	4
Chem	213	Quantitative Analysis	5	3
Chem	214	Instrumental Analysis	5	3
Chem	221	Organic Chemistry I	6	4
Chem	222	Organic Chemistry II	6	4
Chem	251	Physical Chemistry I	5	3
Chem	252	Physical Chemistry II	5	3
†Chem	404	Chemistry Seminar		1
*Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
		Chemistry Electives		4
				42

TOTAL SEMESTER HOUR: 128

Chemistry Major—Semester Schedule

FIRST SEMESTER

Eng	101	English I	3
Bio	101	Man and the Biological World I	3
SS	101	World Civilization I	3
*Ma	210	Analytic Geometry and Calculus I	3
Chem	201	General Chemistry I	4
HPE	101	Physical Education I	0
			16

SECOND SEMESTER

Eng	102	English II	3
Bio	102	Man and the Biological World II	3
SS	102	World Civilization II	3
Ma	211	Analytic Geometry and Calculus II	3
Chem	202	General Chemistry II	4
HPE	100	Health	1
HPE	102	Physical Education II	0
			17

*If preparation in algebra and trigonometry is not adequate to permit a student to proceed immediately to Ma 210, he must complete Ma 100 in addition to the courses listed.

†Required Elective.

Third Semester

Eng	110	General Literature I	2
Mus	101	Introduction to Music	2
SS	103	History of U.S. and Pa. I	3
Ma	212	Analytic Geometry and Calculus III	3
Chem	213	Quantitative Analysis	3
HPE	103	Physical Education III	0
		General Education Elective	
		OR	
		German Elective*	3
			16

Fourth Semester

Spc	101	Fundamentals of Speech	3
Eng	111	General Literature II	2
SS	104	History of U. S and Pa. II	3
Phy	201	General Physics I	3
Chem	214	Instrumental Analysis	3
HPE	104	Physical Education IV	0
		General Education Elective	
		OR	
		German Elective	3
			17

Fifth Semester

Ed	101	General Psychology	3
Phy	202	General Physics II	3
Chem	221	Organic Chemistry I	4
Chem	251	Physical Chemistry I	3
		General Education Elective	
		OR	
		German Elective	3
			16

Sixth Semester

Art	101	Introduction to Art	2
Ed	201	Educational Psychology	3
Chem	222	Organic Chemistry II	4
Chem	252	Physical Chemistry II	3
Sci	290	Teaching Science in the Secondary School	2
		General Education Elective	
		OR	
		German Elective	3
			17

*Chemistry majors are required to complete at least one year of German, counted as a General Education Elective.

Seventh Semester*

Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed	240	Problems of Secondary Education including School Law	2
Sci	270	History and Philosophy of Science	3
Chem	404	Chemistry Seminar	1
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		Chemistry Elective	4
			17

Eighth Semester*

Ed	400	Student Teaching	12

Earth and Space Science Major

General Education (62 semester hours)			*Cl. Hrs.*	*Sem. Hrs.*
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
**Ma	101	Fundamental Concepts in Mathematics I	3	3
Bio	201	Zoology I	6	4
Bio	202	Zoology II	6	4
**Phy	151	Introductory Physics I	5	3
**Phy	152	Introductory Physics II	5	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U. S. and Pa. I	3	3
SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
Geog	202	Cultural Geography	3	3
Sci	270	History and Philosophy of Science	3	3
		General Education Electives		6
				62

*Can be interchanged.

**Alternate program by Department Advisement (Ma 210—Analytic Geometry and Calculus I, and Phy 201 and 202—General Physics I and II).

Professional Program (26 semester hours)

				S.H.
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Sci	290	Teaching Science in the Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2	2
				26

Area of Specialization (40 semester hours)

Bio	203	Botany I	6	4
Bio	204	Botany II	6	4
Chem	201	General Chemistry I	6	4
Chem	202	General Chemistry II	6	4
Geog	201	Physical Geography	3	3
Geog	211	Meteorology	3	3
Geog	220	Physical Geology	3	3
Sci	200	Descriptive Astronomy	3	3
*ESS	404	Earth and Space Seminar		1
		Science, Math, Geography Electives (by Department Advisement)		11
				40

TOTAL SEMESTER HOURS: 128

Earth and Space Science Major—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Art	101	Introduction to Art	2
Bio	201	Zoology I	4
Ma	101	Fundamental Concepts in Mathematics I	
		OR	
Ma	210	Analytic Geometry and Calculus I	3
HPE	100	Health	1
HPE	101	Physical Education I	0
			16

Second Semester

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	202	Zoology II	4
Phy	201	General Physics I	
		OR	
		Area of Specialization Elective	3
HPE	102	Physical Education II	0
		Area of Specialization Elective	3
			16

*Required Elective.

Third Semester

			S.H.
Eng	110	General Literature I	2
Ed	101	General Psychology	3
Chem	201	General Chemistry I	4
Phy	151	Introductory Physics I	
		OR	
Phy	202	General Physics II	3
Mus	101	Introduction to Music	2
HPE	103	Physical Education III	0
		Area of Specialization Elective	3
			17

Fourth Semester

Eng	111	General Literature II	2
Ed	201	Educational Psychology	3
Chem	202	General Chemistry II	4
Phy	152	Introductory Physics II	
		OR	
		Area of Specialization Elective	3
Geog	201	Physical Geography	3
Ed	215	Audio-Visual Communication	2
HPE	104	Physical Education IV	0
			17

Fifth Semester

Spc	101	Fundamentals of Speech	3
SS	103	History of U.S. and Pa. I	3
Bio	203	Botany I	4
Geog	211	Meteorology	3
Sci	200	Descriptive Astronomy	3
			16

Sixth Semester

SS	104	History of U. S. and Pa. II	3
Bio	204	Botany II	4
Ed	240	Problems of Secondary Education including School Law	2
Sci	290	Teaching Science in the Secondary School	2
Geog	202	Cultural Geography	3
Geog	220	Physical Geology	3
			17

Seventh Semester*

Sci	270	History and Philosophy of Science	3
Ed	230	History and Philosophy of Education	3
Ed	402	Professional Seminar and Teaching Reading in The Secondary School	2
ESS	404	Earth and Space Science Seminar	1
		Area of Specialization Elective	2
		General Education Electives	6
			17

Eighth Semester*

Ed	400	Student Teaching	12

*Can be interchanged.

Physics-Mathematics Comprehensive Major

General Education (60 semester hours)

			Cl. Hrs.	Sem. Hrs.
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Chem	201	General Chemistry I	6	4
Chem	202	General Chemistry II	6	4
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of U. S. and Pa. I	3	3
SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
Sci	270	History and Philosophy of Science	3	3
		General Education Electives (French, German or Russian recommended)		10
				60

Professional Program (26 semester hours)

Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Sci	290	Teaching of Science in the Secondary School OR		
Ma	290	Teaching Mathematics in the Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2	2
				26

Area of Specialization (42 semester hours)

Phy	201	General Physics I (Mechanics-Sound)	5	3
Phy	202	General Physics II (Heat and Electricity)	5	3
Phy	203	General Physics III (Optics and Modern Phy)	5	3

+Phy	304	Modern Physics	5	3
*Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
Ma	213	Differential Equations	3	3
Ma	220	Linear Algebra and Matrix Theory	3	3
Ma	230	Modern Geometry	3	3
Ma	250	Probability and Statistics I	3	3
+Phy	404	Physics Seminar		1
		Physics Electives		5
		Earth Science Elective		3
				42

TOTAL SEMESTER HOURS: 128

Physics-Mathematics Comprehensive Majors—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
Spc	101	Fundamentals of Speech	3
Ma	210	Analytic Geometry and Calculus I	3
HPE	101	Physical Education I	0
			15

Second Semester

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Biological World II	3
Phy	201	General Physics I	3
Ma	211	Analytic Geometry and Calculus II	3
HPE	100	Health	1
HPE	102	Physical Education II	0
			16

Third Semester

Eng	110	General Literature I	2
Mus	101	Introduction to Music	2
Phy	202	General Physics II	3
Ma	212	Analytic Geometry and Calculus III	3
Chem	201	General Chemistry I	4
HPE	103	Physical Education III	0
		General Education Elective (by department advisement)	2 or 3
			16 or 17

*If preparation in algebra and trigonometry is not adequate to permit a student to proceed immediately to Ma 210, he must complete Ma 100 in addition to the course listed.

+Required Electives.

Fourth Semester

			S.H.
Eng	111	General Literature II	2
Art	101	Introduction to Art	2
Chem	202	General Chemistry II	4
Phy	203	General Physics III	3
Ma	213	Differential Equations	3
HPE	104	Physical Education IV	0
		General Education Elective (by department advisement)	2 or 3
			16 or 17

Fifth Semester

SS	103	History of U.S. and Pa. I	3
Ed	101	General Psychology	3
Ed	215	Audio-Visual Communication	2
Ma	220	Linear Algebra and Matrix Theory	3
		Physics Elective	3
		General Education Elective (by department advisement)	3
			17

Sixth Semester

SS	104	History of U. S. and Pa. II	3
Ed	201	Educational Psychology	3
Ma	250	Probability and Statistics I	3
Phy	304	Modern Physics	3
Sci	290	Teaching Science in the Secondary School	
		OR	
Ma	290	Teaching Math in the Secondary School	2
Phy	404	Physics Seminar	1
		General Education Elective (by department advisement)	3
			18

Seventh Semester*

Ed	230	History and Philosophy of Education	3
Ed	240	Problems of Secondary Education including School Law	2
Sci	270	History and Philosophy of Science	3
Ma	230	Modern Geometry	3
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		Earth Science Elective	3
		Physics Elective	2
			18

Eighth Semester*

Ed	400	Student Teaching	12

*Can be interchanged.

SOCIAL SCIENCES DEPARTMENT

(Schedule of courses common to Geography, History and Social Studies majors.)

GENERAL EDUCATION (60 SEMESTER HOURS)			Cl. Hrs.	Sem. Hrs.
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts in Mathematics	3	3
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Phy	101	Man and the Physical Universe I	4	3
Phy	102	Man and the Physical Universe II	4	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U. S. and Pa. I	3	3
SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
Phil	201	Introduction to Philosophy	3	3
		*General Education Electives		9
				60

Geography Majors

PROFESSIONAL PROGRAM (29 SEMESTER HOURS)				
Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Geog	290	Teaching Geography in the Secondary School	3	3
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2	2
				29
Geog	201	Physical Geography	3	3
Geog	202	Cultural Geography	3	3
Geog	205	Economic Geography I	3	3
Geog	211	Meteorology	3	3
Geog	220	Physical Geology	4	3
Geog	230	Cartography and Graphics	5	3
		Regional Geography Elective (330 series)	3	3

*A foreign language is strongly recommended. A student who does not elect a language sequence may, with his adviser's approval, apply General Education electives toward the second area of concentration.

		Geography Electives	3	3
SS	240	American Government	3	3
SS	250	Introduction to Anthropology	3	3
SS	260	Principles of Economics	3	3
				33
Second Area of Concentration or Optional Electives in Geography				6

TOTAL SEMESTER HOURS: 128

Geography Major—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
SS	250	Introduction to Anthropology	3
Geog	201	Physical Geography	3
HPE	101	Physical Education I	0
			15

Second Semester

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Biological World II	3
SS	260	Principles of Economics	3
Geog	202	Cultural Geography	3
HPE	100	Health	1
HPE	102	Physical Education II	0
			16

Third Semester

Eng	110	General Literature I	2
Spc	101	Fundamentals of Speech	3
Art	101	Introduction to Art	2
SS	103	History of U. S. and Pa. I	3
Geog	205	Economic Geography I	3
Geog	211	Meteorology	
		OR	
		General Education Elective	3
HPE	103	Physical Education III	0
			16

Fourth Semester

Eng	111	General Literature II	2
Mus	101	Introduction to Music	2
Ma	101	Fundamental Concepts in Mathematics	3
SS	104	History of the U. S. and Pa. II	3
Geog	230	Cartography and Graphics	
		OR	
Geog	220	Physical Geology	3
		Geography Elective	3
HPE	104	Physical Education IV	0
			16

Fifth Semester

			S.H.
Phy	101	Man and the Physical Universe I	3
Ed	101	General Psychology	3
Ed	240	Problems of Secondary Education including School Law	2
Geog	211	Meteorology	
		OR	
		General Education Elective	3
Geog	290	Teaching Geography in the Secondary School	3
		Second Area Elective	3
			17

Sixth Semester

Phy	102	Man and the Physical Universe II	3
Ed	201	Educational Psychology	3
Geog	220	Physical Geology	
		OR	
Geog	230	Cartography & Graphics	3
SS	240	American Government	3
		Regional Geography Elective (330 Series)	3
		General Education Elective	3
			18

Seventh Semester*

Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Phil	201	Introduction to Philosophy	3
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		General Education Elective	3
		Second Area Elective	3
			18

Eighth Semester*

Ed	400	Student Teaching	12

History Major

Professional Program (29 semester hours)

			Cl. Hrs.	Sem. Hrs.
Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
Ed	290	Teaching Social Studies in the Secondary School	3	3
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2	2
				29

*Can be interchanged.

AREA OF SPECIALIZATION (33 SEMESTER HOURS)

SS	260	Principles of Economics	3	3
SS	240	American Government	3	3
SS	250	Introduction to Anthropology	3	3
		History Electives		6
		American History Electives		6
		European History Electives		6
		Non-Western History Electives		6
				33

SECOND AREA OF CONCENTRATION OR OPTIONAL ELECTIVES 6

History Major—Semester Schedule

FIRST SEMESTER

			S.H.
Eng	101	English I	3
Sps	101	Fundamentals of Speech	3
Bio	101	Man and the Biological World I	3
SS	101	World Civilization I	3
SS	250	Introduction to Anthropology	
		OR	
SS	260	Principles of Economics	3
HPE	101	Physical Education I	0
			15

SECOND SEMESTER

Eng	102	English II	3
Ma	101	Fundamental Concepts in Mathematics	3
Bio	102	Man and the Biological World II	3
SS	102	World Civilization II	3
SS	250	Introduction to Anthropology	
		OR	
SS	260	Principles of Economics	3
HPE	100	Health	1
HPE	102	Physical Education II	0
			16

THIRD SEMESTER

Eng	110	General Literature I	2
Art	101	Introduction to Art	2
SS	103	History of the U. S. and Pa. 1	3
SS	240	American Government	
		OR	
		General Education Elective	3
Phil	201	Introduction to Philosophy	
		OR	
		History Elective (Europe or non-West)	3
		Second Area Elective	3
HPE	103	Physical Education III	0
			16

Fourth Semester

			S.H.
Eng	111	General Literature II	2
Mus	101	Introduction to Music	2
SS	104	History of the U. S. and Pa.	3
SS	240	American Government	
		OR	
		General Education Elective	3
Phil	201	Introduction to Philosophy	
		OR	
		History Elective (European or non-West)	3
		Second Area Elective	3
HPE	104	Physical Education IV	0
			16

Fifth Semester

Phy	101	Man and the Physical Universe I	3
Ed	101	General Psychology	3
Ed	240	Problems of Secondary Education including School Law	2
SS	290	Teaching Social Studies in the Secondary School	
		OR	
		History Elective	3
		General Education Elective	
		OR	
		History Elective	3
		History Elective	3
			17

Sixth Semester

Phy	102	Man and the Physical Universe II	3
Ed	201	Educational Psychology	3
SS	290	Teaching Social Studies in the Secondary School	
		OR	
		History Elective	3
		General Education Elective	
		OR	
		History Elective	3
		History Electives	6
			18

Seventh Semester*

Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		General Education Elective	3
		History Electives	6
			18

Eighth Semester*

Ed	400	Student Teaching	12

TOTAL SEMESTER HOURS: 128

*Can be interchanged.

Social Studies Major

		PROFESSIONAL PROGRAM (29 SEMESTER HOURS)	*Cl. Hrs.*	*Sem. Hrs.*
Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education including School Law	2	2
SS	290	Teaching Social Studies in the Secondary School	3	3
Ed	400	Student Teaching	30	12
Ed	402	Professional Seminar and Teaching Reading in The Secondary School	2	2
				29
		AREA OF SPECIALIZATION (39 SEMESTER HOURS)		
SS	205	Twentieth-Century American History	3	3
SS	223	Europe in the Twentieth Century	3	3
SS	240	American Government	3	3
SS	245	Comparative Government OR		
SS	247	International Relations	3	3
SS	250	Introduction to Anthropology	3	3
SS	260	Principles of Economics	3	3
SS	270	Principles of Sociology	3	3
Geog	201	Physical Geography	3	3
Geog	202	Cultural Geography	3	3
SS	340	State and Local Government in the U. S.	3	3
		Advanced Elective in Economics, Sociology or Anthropology		3
		Social Science Electives		6
				39

Social Studies Major—Semester Schedule

FIRST SEMESTER

			S.H.
Eng	101	English I	3
Spc	101	Fundamentals of Speech	3
Bio	101	Man and the Biological World I	3
SS	101	World Civilization I	3
Geog	201	Physical Geography	3
HPE	101	Physical Education I	0
			15

SECOND SEMESTER

Eng	102	English II	3
Ma	101	Fundamental Concepts in Mathematics	3
Bio	102	Man and the Biological World II	3
SS	102	World Civilization II	3
Geog	202	Cultural Geography	3
HPE	100	Health	1
HPE	102	Physical Education II	0
			16

Third Semester

Eng	110	General Literature I	2
Art	101	Introduction to Art	2
SS	103	History of U. S. and Pa. I	3
SS	240	American Government	3
SS	250	Introduction to Anthropology	
		OR	
SS	260	Principles of Economics	3
SS	270	Principles of Sociology	
		OR	
Phil	201	Introduction to Philosophy	3
HPE	103	Physical Education III	3
			16

Fourth Semester

Eng	111	General Literature II	2
Mus	101	Introduction to Music	2
SS	104	History of the U. S. and Pa. II	3
SS	250	Introduction to Anthropology	
		OR	
SS	260	Principles of Economics	3
SS	270	Principles of Sociology	
		OR	
Phil	201	Introduction to Philosophy	3
SS	340	State and Local Government in the U. S.	3
HPE	104	Physical Education IV	0
			16

Fifth Semester

Phy	101	Man and the Physical Universe I	3
Ed	101	General Psychology	3
Ed	240	Problems of Secondary Education including School Law	2
SS	205	20th Century American History	
		OR	
SS	223	Europe in the 20th Century	3
SS	245	Comparative Government	
		OR	
		Social Science Elective	3
SS	290	Teaching Social Studies in the Secondary School	
		OR	
		General Education Elective	3
			17

Sixth Semester

Phy	102	Man and the Physical Universe II	3
Ed	201	Educational Psychology	3
SS	223	Europe in the 20th Century	
		OR	
SS	205	20th Century American History	3
SS	247	International Relations	
		OR	
		Social Science Elective	3
SS	290	Teaching Social Studies in the Secondary School	
		OR	
		General Education Elective	3
			18

Seventh Semester*

Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed	402	Professional Seminar and Teaching Reading in the Secondary School	2
		Advanced Elective in Economics, Sociology or Anthropology	3
		General Education Elective	3
		Social Science Elective	3
			18

Eighth Semester*

Ed	400	Student Teaching	12

TOTAL SEMESTER HOURS 128

HOME ECONOMICS EDUCATION CURRICULUM**

Home Economic Education today provides for liberal studies designed to elevate taste, to cultivate a sense of values and to develop the capacity for logical thinking. Home Economics in the future will be focused on home and family life marked by mobility, affluence, leisure, and young parenthood. The majority of women will be both wage earner and homemaker. Higher education in home economics affords preparation for the roles played by the home economics graduate—that of becoming a home economics teacher and preparation for being a homemaker and a member of the community.

At Mansfield the Bachelor of Science Degree in Vocational Home Economics Education is awarded to all graduates. This degree enables them to teach Home Economics in the Pennsylvania Secondary Schools.

General Education (60 semester hours)			*Cl.*** Hrs.*	*Sem. Hrs.*
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts in Mathematics	3	3
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Chem	203	Inorganic Chemistry	6	4
Chem	204	Organic and Biochemistry	6	4
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U. S. and Pa. I	3	3
SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3

*Can be interchanged.
**Revised program effective Sept. 1965.
***Clock hours or number of 50 minute class sections per week.

HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
HEc	240	The Adolescent	3	3
		General Education Electives		7
Art	345	Design Techniques (5-3)-recommended elective		
				60

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

			Cl. Hrs.	*Sem. Hrs.*
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
HEc	200	Home Economics Orientation	1	1
HEc	250	Home Economics Education in Secondary School	4	4
HEc	290	Adult Homemaking Education	1	1
Ed(HEc)	400	Student Teaching and Related Activities	30	12
				26

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

HEc	201	Clothing Construction, Selection and Purchasing I	6	4
HEc	202	Clothing II		
		a. Elementary Textiles	2	2
		b. Tailoring	4	2
HEc	215	Foods and Nutrition I	6	4
HEc	216	Foods and Nutrition II	6	4
HEc	221	Consumer Economics and Family Finance	3	3
HEc	223	Housing and Home Furnishings	4	3
HEc	224	Household Care and Equipment	2	2
HEc	225	Home Management (Residence)	9	3
HEc	226	Management Principles of Home Operation	2	2
HEc	231	Child Development and Nursery School	7	4
HEc	235	Family Relations	3	3
		Home Economics Electives		6
				42

TOTAL SEMESTER HOURS: 128

Home Economics Curriculum—Semester Schedule

FIRST SEMESTER

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
Spc	101	Fundamentals of Speech	3
HEc	200	Home Economics Orientation	1
HPE	101	Physical Education I	0
HEc	201	Clothing Construction, Selection and Purchasing I*	4
		OR	
HEc	202a	Elemenary Textiles	2
		and	
Art	101	Introduction to Art	2
			17

Second Semester

			S.H.
Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Biological World II	3
Ma	101	Fundamental Concepts in Mathematics	3
HPE	100	Health	1
HPE	102	Physical Education II	0
HEc	201	Clothing Construction, Selection and Purchasing I	4
		OR	
HEc	202a	Elementary Textiles*	2
		and	
Art	101	Introduction to Art*	2
			17

Third Semester

Eng	110	General Literature I	2
Mus	101	Introduction to Music	2
SS	103	History of the U. S. and Pa. I	3
Ed	101	General Psychology	3
Chem	203	Inorganic Chemistry	4
HEc	215	Foods and Nutrition I	4
HPE	103	Physical Education III	0
			18

Fourth Semester

Eng	111	General Literature II	2
SS	104	History of the U. S. and Pa. II	3
Chem	204	Organic and Biochemistry	4
Ed	201	Educational Psychology	3
HEc	216	Foods and Nutrition II	4
HEc	224	Household Care and Equipment	2
HPE	104	Physical Education IV	0
			18

Fifth Semester**

HEc	240	The Adolescent	3
HEc	202b	Tailoring	2
HEc	221	Consumer Education and Family Finance	3
HEc	231	Child Development and Nursery School	4
		General Education Elective	3
			15

Sixth Semester**

Ed	215	Audio-Visual Communication	2
HEc	225	Housing and Home Furnishings	3
HEc	235	Family Relations	3
		Home Economics Elective	3
		and	
		General Education Electives	4
		OR	
		(for those having HEc 240 previous semester; omit General Electives and take the following):	
HEc	250	Home Economics Education in the Secondary School	4
HEc	290	Adult Education in Home Economics	1
			15 or 16

*Taken alternate semesters.
**The fifth and sixth semester can be interchanged.

Seventh Semester

Ed	230	History and Philosophy of Education	3
HEc	225	Home Management (Residence)	3
HEc	226	Management Principles of Home Operation	2
		Choice of	
		Home Economics Elective	3
		and	
		General Education Electives	4
		OR	
HEc	290	Adult Education in Home Economics	1
HEc	250	Home Economics Education in Secondary School	4
		Home Economics Elective	3
			15 or 16

Eighth Semester

Ed (HEc)	400	Student Teaching and Related Activities	12

Students have choice of seven semester hours of General Education Electives and six semester hours of Home Economics Electives.

HEc240 should be taken before HEc 250.

HEc250 and HEc 290 should be taken the semester immediately before student teaching.

Students enrolled in HEc 240 (*The Adolescent*) Fall Semester, should enroll for HEc 250 (*Home Economics Education in Secondary Schools*) and HEc 290 (*Adult Education in Home Economics*) Spring Semester; while those enrolled for HEc 240 (*The Adolescent*) Spring Semester, will be enrolled for HEc 250 (*Home Economics Education in Secondary Schools*) and HEc 290 (*Adult Education in Home Economics*) the following Fall Semester.

MUSIC EDUCATION CURRICULUM

General Education (60 semester hours)			*Cl. Hrs.*	*Sem. Hrs.*
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	200	Survey of English Literature	~~3~~ 2	~~3~~ 2
Eng	202	Survey of American Literature	~~3~~ 2	~~3~~ 2
Art	101	Introduction to Art	3	2
Ma	101	Fundamental Concepts in Mathematics	3	3
Bio	101	Man and the Biological World I	4	~~3~~ 4
~~Bio~~	~~102~~	~~Man and the Biological World II~~	~~4~~	~~3~~
Phy	101	Man and the Physical Universe I	4	~~3~~ 4
~~Phy~~ Mus	102	~~Man and the Physical Universe II~~ (Acoustics)	~~4~~ 3	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U. S. and Pa. I	3	3
SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	~~0~~ 1
Mus	200	Survey of Music Literature	2	2
Mus	205	Eurhythmics I	2	1
Mus	211	Basic Music I	4	3
Mus	*301	Music History I	3	3
Mus	*302	Music History II	3	3
Eng	203	Gen Lit III	2	2
				60

*Required Electives.

PROFESSIONAL PROGRAM (32 SEMESTER HOURS)

Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Mus	221	Methods I	3	2
Mus	222	Methods II	3	2
Mus	223	Methods III	2	2
Mus	231	Conducting I	3	2
Mus	232	Conducting II	3	2
Mus	235	Orchestration	2	2
Ed(Mus)	400	Student Teaching and Related Activities	30	12
				32

AREA OF SPECIALIZATION (36 SEMESTER HOURS)

Mus	206	Eurhythmics II	2	1
Mus	212	Basic Music II	4	3
Mus	213	Basic Music III	5	4
Mus	214	Basic Music IV	5	4
Mus	240-249	Applied Music (7 semesters, 3 credits each semester)		21
		Music Theory Elective		3
				36

TOTAL SEMESTER HOURS: 128

Music Education Curriculum—Semester Schedule

FIRST SEMESTER

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
HPE	101	Physical Education I	0
Mus	211	Basic Music I	3
		Applied Music (individually designated)	3
			15

SECOND SEMESTER

Eng	102	English II	3
SS	102	World Civilization II	3
Bio	102	Man and the Biological World II	3
HPE	102	Physical Education II	0
Mus	200	Survey of Music Literature	2
Mus	205	Eurhythmics I	1
Mus	212	Basic Music II	3
		Applied Music (individually designated)	3
			18

THIRD SEMESTER

Eng	200	Survey of English Literature	3
SS	103	History of the U. S. and Pa. I	3
Phy	101	Man and the Physical Universe I	3
HPE	103	Physical Education III	0
Mus	206	Eurhythmics II	1
Mus	213	Basic Music III	4
		Applied Music (Individually designated)	3
			17

Fourth Semester

Art	101	Introduction to Art	2
Phy	102	Man and the Physical Universe II (Acoustics)	3
SS	104	History of the U. S. and Pa. II	3
Eng	202	Survey of American Literature	3
Mus	214	Basic Music IV	4
HPE	104	Physical Education IV	0
		Applied Music (individually designated)	3
			18

Fifth Semester

Ed	101	General Psychology	3
Ed	215	Audio-Visual Communication	2
Mus	221	Methods I	2
Mus	231	Conducting I	2
Mus	301	Music History I	3
HPE	100	Health (Personal and Community)	1
		Applied Music (individually designated)	3
			16

Sixth Semester

Spc	101	Fundamentals of Speech	3
Ed	201	Educational Psychology	3
Mus	222	Methods II	2
Mus	232	Conducting II	2
Mus	235	Orchestration	2
Mus	302	Music History II	3
		Applied Music (individually designated)	3
			18

Seventh Semester*

Ma	101	Fundamental Concepts in Mathematics	3
Ed	230	History and Philosophy of Education	3
Mus	223	Methods III	2
		Music Theory Elective	3
		Applied Music (individually designated)	3
			14

Eighth Semester*

Ed(Mus)	400	Student Teaching and Related Activities	12
			12

Applied Music Requirements

1. Each student must select, under advisement, a major performing medium. Seven semesters of study are required on this major performing medium.

*Can be interchanged.
Sequence of courses subject to change for administrative convenience.

2. In addition to the major performing medium, each student must also have a minor performing medium. Four semesters of study are required on the minor performing medium.

3. At least two semesters of piano for credit are required of all students. Where minimum proficiency is lacking upon entrance, the deficiency must be eliminated by piano study without credit (Piano 0) until minimum proficiency standards are met for entrance into Piano I.

4. Instrumental class requirements in applied music may be met by examination by departmental consent. Any applied music requirement passed by examination without taking the course receives no credit or letter grade.

5. As part of the applied music requirement, seven semesters of participation in musical organizations is required. All voice and piano majors will take Chorus; wind and percussion majors will take Band; and string majors will take Orchestra. In addition, each student will also be in one other major musical organization during each of the seven semesters.

6. The sequence of applied music study is determined by the needs of the individual student through advisement.

7. After basic minimum requirements in an applied music area are satisfied, continuance in this area is contingent upon approval of the instructor involved and the advisor.

LIBRARY EDUCATION DEPARTMENT

The Library Education curriculum is designed to prepare school librarians for the Commonwealth of Pennsylvania and to provide a good foundation for possible graduate study. The future librarian, following the course of study here outlined, should be competent in the techniques and knowledge essential for the selection, evaluation, organization and use of library materials of all kinds.

As the director of the instructional materials resource center for the school program, the school librarian should have a broad background of knowledge with a concentration in one subject area in addition to library science. This greater depth of knowledge in a specific subject is important not only for the role of librarian but also as the basis for eventual graduate work.

Students who plan to become school librarians are expected to have a reading knowledge of at least one modern foreign language. Evidence of this knowledge can be supplied by successful completion of two years of a language in high school and one year of college study of the same language. If the student has not studied a modern foreign language in high school, he will be expected to complete two years of a modern foreign language in college.

General Education (60 semester hours)

			Cl. Hrs.	Sem. Hrs.
Eng	101	English I	3	3
Eng	102	English II	3	3
Spc	101	Fundamentals of Speech	3	3
Eng	110	General Literature I	2	2
Eng	111	General Literature II	2	2
Art	101	Introduction to Art	3	2
Mus	101	Introduction to Music	3	2
Ma	101	Fundamental Concepts in Mathematics	3	3
Bio	101	Man and the Biological World I	4	3
Bio	102	Man and the Biological World II	4	3
Phy	101	Man and the Physical Universe I	4	3
Phy	102	Man and the Physical Universe II	4	3
SS	101	World Civilization I	3	3
SS	102	World Civilization II	3	3
SS	103	History of the U. S. and Pa. I	3	3
SS	104	History of the U. S. and Pa. II	3	3
Ed	101	General Psychology	3	3
Phil	201	Introduction to Philosophy	3	3
HPE	100	Health (Personal and Community)	2	1
HPE	101	Physical Education I	2	0
HPE	102	Physical Education II	2	0
HPE	103	Physical Education III	2	0
HPE	104	Physical Education IV	2	0
		Foreign Language Electives (minimal)		6
		General Education Elective		3
				60

Professional Education (20 semester hours)

Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed(Lib)	400	Library Practice	30	12
				20

Subject Area of Concentration (24 semester hours)

24 semester hours in a single subject field or 12 semester hours in two subject fields 24

Area of Specialization (24 semester hours)

Lib	211	Introduction to Librarianship	3	3
Lib	212	Library Organization and Administration	3	3
Lib	221	Reference Services and Materials	3	3
Lib	242	Cataloging and Classification	3	3
Lib	280	Non-Book Materials	3	3
Lib	285	Curriculum Materials	3	3
		Book Selection Electives		6
				24

Book Selection Electives:

Lib	260	Book Selection for Children	3	3
Lib	261	Young People's Literature	3	3
Lib	262	Adult Literature	3	3
Lib	263	Story Telling and Reading Guidance	3	3

Extension of Certification to include School Librarian

A college certificate may be extended to include library science education on the satisfactory completion of 24 semester hours of courses selected from an approved curriculum in library education.

Library Education Curriculum—Semester Schedule

First Semester

			S.H.
Eng	101	English I	3
SS	101	World Civilization I	3
Bio	101	Man and the Biological World I	3
Ma	101	Fundamental Concepts in Mathematics	3
HPE	101	Physical Education I	0
		Generall Education Elective	3
			15

Second Semester

Eng	102	English II	3
Spc	101	Fundamentals of Speech	3
Bio	102	Man and the Biological World II	3
SS	102	World Civilization II	3
Lib	211	Introduction to Librarianship	3
HPE	100	Health (Personal and Community)	1
HPE	102	Physical Education II	0
			16

Third Semester

Eng	110	General Literature I	2
Art	101	Introduction to Art	2
Phy	101	Man and the Physical Universe I	3
Lib	212	Library Organization and Administration	3
HPE	103	Physical Education III	0
		Foreign Language Elective	3
		Subject Area Elective	3
			16

Fourth Semester

Eng	111	General Literature II	2
Mus	101	Introduction to Music	2
Phy	102	Man and the Physical Universe II	3
Lib	260	Book Selection for Children	
		OR	
Lib	261	Young People's Literature	3
HPE	104	Physical Education IV	0
		Foreign Language Elective	3
		Subject Area Elective	3
			16

Fifth Semester

Ed	101	General Psychology	3
Ed	215	Audio-Visual Communication	2
SS	103	History of the U. S. and Penna. I	3
Lib	242	Cataloging and Classification	3
Lib	262	Adult Literature	
		OR	
Lib	263	Story Telling and Reading Guidance	3
		Subject Area Elective	3
			17

Sixth Semester

Ed	201	Educational Psychology	3
SS	104	History of the U. S. and Pa. II	3
Lib	221	Reference Services and Materials	3
Lib	280	Non-Book Materials	3
		Subject Area Electives	6
			18

Seventh Semester*

Ed	230	History and Philosophy of Education	3
Phil	201	Introduction to Philosophy	3
Lib	285	Curriculum Materials	3
		Subject Area Electives	9
			18

Eighth Semester*

Ed(Lib)	400	Library Practice	12

TOTAL SEMESTER HOURS: 128

DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSES

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements:

1. The satisfactory completion of a three-year curriculum in an approved school of nursing and registration by the State Board of Examiners for the registration of nurses of Pennsylvania.
2. The satisfactory completion of 60 semester hours of additional preparation as detailed below.**

*Can be interchanged.

**Nurses with less than three years of preparation for registration will be required to complete additional courses, as approved by the Dean of Instruction, in order to meet the requirements for the degree. Note section on maintenance of matriculation (Scholastic Requirements and Standards).

General Education (33 semester hours)

			S.H.
English and Literature			
Eng	101	English I	3
Eng	110 or 111,	General Literature I or General Literature II	2
Art	101	Introduction to Art	
		OR	
Ma	101	Introduction to Music	2
			7
Social Sciences			
SS	101 or 102,	World Civilization I or II	3
SS	103 or 104,	History of the U. S. and Pa. I or II	3
SS	270	Principles of Sociology	3
			9
Additional Courses in General Education			
Ed	101	General Psychology	3
Phil	201	Introduction to Philosophy	3
Ma	101	Fundamental Concepts in Mathematics	3
		General Education Electives	8
			17

Professional Education (12 semester hours)

Ed	201	Educational Psychology	3
Ed(El)	250	Child Development	
		OR	
Ed	303	Adolescent Psychology	3
Ed	230	History and Philosophy of Education	3
Ed	311	Mental Health	3
			12

Courses Related to Public School Nursing (15 semester hours)

Public School Nursing	2
Public School Organization	2
Public Health Nursing I and II	6
Course in Nutrition	2
Family Case Work	
OR	
Prevention and Control of Communicable Disease	3
	15

TOTAL SEMESTER HOURS: 60

DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The degree of Bachelor Science in Education for Dental Hygienists will be conferred upon Dental Hygienists meeting the following requirements:

1. The possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania issued by the State Dental

Council and Examining Board and the Department of Public Instruction. "The professional education requirement for dental hygiene is the satisfactory completion of an approved dental hygienist course of instruction of two years of not less than 32 weeks of not less than 30 hours each week or its equivalent in and graduation from a dental hygiene school approved by the State Council and Examining Board."*

2. The satisfactory completion in addition thereto of 64 semester hours of professional and general education courses distributed as follows:**

GENERAL EDUCATION (53 SEMESTER HOURS)

			S.H.
Eng	101	English I	3
Eng	102	English II	3
Spc	101	Fundamentals of Speech	3
Eng	110	General Literature I	2
Eng	111	General Literature II	2
Art	101	Introduction to Art	2
Mus	101	Introduction to Music	2
Ma	101	Fundamental Concepts in Mathematics	3
SS	101	World Civilization I	3
SS	102	World Civilization II	3
SS	103	History of the U. S. and Pa. I	3
SS	104	History of the U. S. and Pa. II	3
Ed	101	General Psychology	3
Geog	202	Cultural Geography	3
Phil	201	Introduction to Philosophy	3
SS	270	Principles of Sociology	3
		General Education Electives	9
			53

PROFESSIONAL EDUCATION

Ed	201	Educational Psychology	3
Ed	215	Audio-Visual Communication	2
Ed	230	History and Philosophy of Education	3
Ed(El)	250	Child Development	
		OR	
Ed	303	Adolescent Psychology	3
			11

TOTAL SEMESTER HOURS: 64

*Bulletin 644, 1950. Rules and Regulations for Applicants for Admission to Examination for Licensure to Practice Dentistry and Dental Hygiene and Examination Procedures.

**Note section on maintenance of matriculation (Scholastic Requirements and Standards).

In each category above, credit will be given for equivalent courses pursued in the two-year Dental Hygiene curriculum. In such cases students must increase their electives by the number of semester hours so credited.

In the case of dental hygienists who have less than two years of specialized training on the basis of which they were licensed to practice dental hygiene, proportional credit will be given. Such persons must pursue additional general education courses in college to make up the deficiency.

Electives may be chosen with the approval of the Dean of Instruction from any field or curriculum offered at the college in which the student is enrolled.

Safety Education

(Certification only)

For extension of certification to include the teaching of general safety and highway safety in the secondary schools of Pennsylvania the following requirements must be satisfied:

1. Bachelor of Science Degree in Education
2. Twelve semester hours in safety education, to be fulfilled as follows:

			S.H.
HPE	301	General Safety Education	3
HPE	302	Highway Safety Education	3
HPE	305	Methods and Materials in Safety Education	3
HPE	306	Organization and Supervision in Safety Education	3

LIBERAL ARTS AND SCIENCES

Objectives of the Program

The purpose of the Mansfield program in the liberal arts and sciences is to foster that discipline of mind which can relate specialized knowledge to general knowledge and guide the individual to the recognition and evaluation of his responsibilities as a member of the family of man. Such an education does not properly have for its purpose the building of specialized competencies for direct application in a business or professional career. Accordingly, the program planned by Mansfield State College will provide a design of formal studies and of extracurricular activities organized for the cultivation of a disciplined intellect and will, the development of a better understanding of one's self and our world, and the assimilation of the values shared by men of reason and integrity in any truly civilized society. Inseparable from these aims, and necessary in preparation for an effective role in life, the following attainments will be emphasized as well in the Mansfield program: (a) clarity and precision in writing and speaking, (b) mastery of the fundamental concepts and essential body of knowledge belonging to each of the great areas of human experience — the humanities, the social sciences, and the natural sciences. With such undergraduate preparation, students should be able to undertake the vocational phase of their further education, business or professional, not as pre-trained specialists but as capable men and women and as capable, responsible citizens.

PROGRAM OF STUDIES LEADING TO THE BACHELOR OF ARTS DEGREE

Consistent with this statement of objectives, we believe, is the program of studies leading to the Bachelor of Arts degree. It consists of courses totaling 128 semester hours required for graduation. Of these, 65 hours will be required in General Education courses; a minimum of 36 hours concentrated in one of the three major divisions of the curriculum: Humanities, Natural Sciences, or Social Sciences; and 27 (or remaining) hours provided as free electives by means of which the student may explore the curriculum as a whole, strengthen his command over the body of knowledge which encompasses his chosen area of specialization, or examine other areas of knowledge in order to improve his understanding of the interrelationships of the academic disciplines.

THE GENERAL EDUCATION REQUIREMENTS

Slightly more than half of the entire liberal arts program is dedicated to the achievement of a synoptic view of the vast body of knowledge which is the student's cultural heritage. The courses of study are designed to provide a sufficiently comprehensive appreciation of the learning of the past and of scholarship, research, and artistic creativity of the present that the student may recognize the significance of each of the major parts of this human achievement to the whole, gain some

understanding of the intellectual disciplines peculiar to each, as well as those common to all, and thus prepare himself broadly for whatever specialization his interests and talents may spur him to pursue.

Although this General Education division of the program is more comprehensive than most, it is not intended to be rigidly restrictive. Flexibility will be achieved in two ways: first students whose backgrounds and pre-college training indicate a higher than usual proficiency in any of the areas of study represented in the program of courses, may, at the discretion of the department concerned, be exempt from required courses in favor of courses more consistent with individual needs; and two, within the divisions of the Humanities and Social Sciences students are encouraged to exercise their own judgment in the selection of one or more parts of their course requirements.

THE CURRICULUM OF STUDIES

General Education (65 semester hours)

Humanities	S.H.
English I and II and Fundamentals of Speech	9
Literature and Philosophy (3 s.h. hours in each at least 6 s.h. in one)	9
Survey of English Literature	3
Survey of American Literature	3
Introduction to Philosophy	3
Contemporary Philosophy	3
Ethics	3
*Foreign Language	6
Fine Arts	4
Introduction to Art	2
Introduction to Music	2
Natural Sciences and Mathematics	
Man and the Biological World I and II	6
Man and the Physical Universe I and II	6
Fundamental Concepts in Mathematics I and II	6
Social Sciences	
World Civilization I and II	6
History of the U. S. and Pennsylvania I and II	6
General Psychology	3
Restricted Electives (One of the following)	3
Economics	3
Sociology	3
Physical or Cultural Geography	3
Anthropology	3
Health and Physical Education	
Physical Education I, II, III, IV	0
Health	1
	65

In addition to the above General Education requirements, the liberal arts student will take a minimum of 36 semester hours in his area of specialization as prescribed by the department and 27 (or remaining) semester hours of electives, 18 of which must meet the approval of the department of specialization.

*A student begins with 101 (beginning course) or 201 in his chosen language. A student who has had no foreign language in high school begins with 101. A student who has had two years of a foreign language begins with 101 or 201, depending on whether he passes a qualifying test given by the appropriate language professor.

HUMANITIES DEPARTMENT

English Major

In addition to the 3 or 6 hours of literature selected from the General Education requirements, 36 hours of specialized study must be undertaken, selected from the following courses:

Eng	200	Survey of English Literature (if not selected from the General Education requirements)	3
Eng	202	Survey of American Literature (if not selected from the General Education requirements)	3
Eng	210-11	Western World in Literature I and II	6
Eng	225	English Philology and Grammar	3
Eng	250	Shakespeare	3
Eng	311	Pre-Shakespearean Literature	3
Eng	313	18th Century Literature	3
Eng	315	The Romantic Movement	3
Eng	317	Victorian Poetry and Prose	3
Eng	235	Advanced Composition	3
Eng	335	Creative Writing	3
Eng	330	Literary Criticism	3
Eng	320	The Novel to 1870	3
Eng	321	The Novel since 1870	3
Eng	322	Modern Drama	3
Eng	323	Contemporary Poetry	3
Eng	351	American Prose	3
Eng	352	American Poetry	3
		Foreign Language (6 hours beyond the 6 required in General Education requirements)	6
		*Electives	27
		Total Semester Hours	128

Modern Language Major

A language major requires 24 semester hours beyond the introductory courses 101 and 102. The 24 semester hours must include: 225, 301, 302, and 305. In addition, the student must elect English 225 (English Philology and Grammar). However, this required course is not evaluated as part of the required 24 foreign language semester hours.

It is anticipated that, in addition to the above majors in the Humanities Department, opportunities will be provided for 36 hours of specialization in both Art and Music.

Music Major

The degree of Bachelor of Art in Humanities with a concentration in Music makes no provision for teaching certification in the state of Pennsylvania. Students desiring such certification are advised that a fifth year of study would be necessary.

*In addition to the General Education and area of specialization courses, the student will take 27 hours of electives of which 18 hours must meet the approval of the Humanities Department.

All students must complete the following courses of study regardless of choice of music areas of concentration from a, b, or c, below.

Music 212, 213, 214 (Basic Music)	11
(Mus 211 should substitute in Fine Arts Division of General Education section)	
Music 241 (Piano minimum requirements)	8
(Note: A student majoring in music theory or music history may be able to pass minimum piano proficiency examinations upon entrance to the college. In this event, the student may elect eight (8) semester hours from Music 240-245)	
Music 303 and 304 (Music History)	6
(Must elect Music 301, 302 before fifth semester)	
Music Organizations (band, chorus, orchestra)	0
(It is recommended that participation be limited to one organization per year, and that two years complete the requirement.)	
Music Electives chosen from a, b, or c, as described below in strength proportionate to the area of concentration	23
	48

Music Electives

The following courses are available for additional concentration in the areas of a, b, or c. Students may elect twenty-three (23) semester hours in strength appropriate to the major area.

A. Music Theory

Mus 235	Orchestration	3
Mus 311	Counterpoint	3
Mus 313	Composition	3
Mus 315	Advanced Harmony	3
Mus 390	Directed Study	1-3

B. Music History

Mus 303, 304	Music History	6
Mus 308	Advanced Music Literature	3
Mus 305	American Music	3
Mus 306	The Symphony	3
Mus 307	The Concerto	3
Mus 309	Contemporary Music	3
Mus 390	Directed Study	1-3

C. Applied Music

Mus 240-245	Major applied music area	16
Mus 240-245	Minor applied music area	8

(Note: The requirements for Mus 241 (piano) must be fulfilled before further electives in the minor opplied area are undertaken.)

MATHEMATICS DEPARTMENT

	S.H.
General Education	65

(Courses common to all Liberal Arts with the following exceptions: Replace Man and the Physical Universe (six semester hours) by General Physics I and II, Phy 201 and 202. Fundamental Concepts in Mathematics I and II will be replaced by 6 semester hours of mathematics or science chosen with the consent of the departmental advisor.)

AREA OF SPECIALIZATION (36 SEMESTER HOURS) *S.H.*

Ma	210	Analytic Geometry and Calculus I	3	
Ma	211	Analytic Geometry and Calculus II	3	
Ma	212	Analytic Geometry and Calculus III	3	
Ma	213	Differential Equations	3	
Ma	220	Linear Algebra and Matrix Theory	3	
Ma	221	Modern Algebra	3	
Ma	230	Modern Geometry	3	
Ma	250	Probability and Statistics I	3	
		Mathematics Electives	9	
		Optional Electives (math or science)	3	36

ELECTIVES .. (as described under the Liberal Arts requirements and the department supervision) 27

TOTAL SEMESTER HOURS: 128

SCIENCE DEPARTMENT

BIOLOGY MAJOR

S.H.

GENERAL EDUCATION 65

Courses common to all Liberal Arts with the following exceptions: Replace Bio 101 and 102 (Man and the Biological World I and II) with 6 semester hours in mathematics or science chosen with the consent of the departmental advisor. Man and the Physical Universe I and II (6 semester hours) will be replaced by Phy 151 and 152 (Introductory Physics I and II).

AREA OF SPECIALIZATION (44 SEMESTER HOURS)

Bio	201	Zoology I	4	
Bio	202	Zoology II	4	
Bio	203	Botany I	4	
Bio	204	Botany II	4	
Chem	201	General Chemistry I	4	
Chem	202	General Chemistry II	4	
Chem	221	Organic Chemistry I	4	
Chem	222	Organic Chemistry II	4	
Bio	340	Genetics	3	
Bio	310	Ecology	3	
		Biology Electives	6	44

ELECTIVES (Chosen under department advisement) 19

Total Semester Hours: 128

CHEMISTRY MAJORS

S.H.

GENERAL EDUCATION 65

(Chemistry majors will replace Phy 101 and 102 (Man and the Physical Universe I and II) by Phy 201 and 202 (General Physics I and II) for 6 semester hours. Math 101 and 102 (Fundamental Concepts in Mathematics I and II) will be replaced by six semester hours in science or mathematics.

AREA OF SPECIALIZATION (44 SEMESTER HOURS) *S.H.*

Chem	201	General Chemistry I	4	
Chem	202	General Chemistry II	4	
Chem	213	Quantitative Analysis	3	
Chem	214	Instrumental Analysis	3	
Chem	221	Organic Chemistry I	4	
Chem	222	Organic Chemistry II	4	
Chem	251	Physical Chemistry I	3	
Chem	252	Physical Chemistry II	3	
Ma	210	Analytic Geometry and Calculus I	3	
Ma	211	Analytic Geometry and Calculus II	3	
Ma	212	Analytic Geometry and Calculus III	3	
		Electives	7	44
ELECTIVES		(Chosen under department advisement)		19
		TOTAL SEMESTER HOURS:		128

SOCIAL SCIENCE DEPARTMENT

GEOGRAPHY MAJOR

GENERAL EDUCATION (courses common to all Liberal Arts).....65 *S.H.*

AREA OF SPECIALIZATION (36 SEMESTER HOURS)

Geog	201	Physical Geography	3	
Geog	202	Cultural Geography	3	
Geog	205	Economic Geography I	3	
Geog	211	Meteorology	3	
Geog	220	Physical Geology	3	
Geog	230	Cartography and Graphics	3	
		Regional Geography Elective (330 Series)	3	
		Geography Electives	9	
		Social Science Electives (Department approval required)	6	36
ELECTIVES		(as described under the Liberal Arts requirements and the department supervision)		27
		Total Semester Hours:		128

HISTORY MAJOR

GENERAL EDUCATION (courses common to all Liberal Arts) 65

AREA OF SPECIALIZATION (36 SEMESTER HOURS)

		Electives in History (must include a minimum of 6 semester hours in each of the following fields: American, European, and Non-Western)	27	
SS	240	American Government	3	
SS	250	Introduction to Anthropology	3	
SS	260	Principles of Economics	3	36
ELECTIVES - 18 semester Hours (under department advisement and approval			18	
		Free Electives	9	27
		Total Semester Hours:		128

Social Science Major

			S.H.
General Education (Courses common to all Liberal Arts)			65
(Geog 201 (Physical Geography) required under Restricted Electives)			
Area of Specialization (36 semester hours)			
Geog	202	Cultural Geography	3
SS	240	American Government	3
SS	260	Principles of Economics	3
SS	250	Introduction to Anthropology	3
SS	270	Principles of Sociology	3
		Electives in Anthropology, Economics, Political Science or Sociology	6
		Social Science Electives	9
		History Electives	6 — 36
Electives - 18 semester hours (under department advisement and approval			18
		Free Electives	9 — 27
		Total Semester Hours:	128

COURSE DESCRIPTIONS

ART

ART 101 INTRODUCTION TO ART

A study of representative works of art through the ages for both increased aesthetic perception and deepened awareness of universal human experience *Two semester hours*

ART 240 PRINCIPLES OF DESIGN

Creative experience through a variety of media applying design principles and elements to art products for individual and family needs *Two semester hours*

ED EL (ART) 282 TEACHING ART IN THE ELEMENTARY GRADES

The philosophy and principles of art education in the Elementary curriculum; experience in the development of self-expression through a variety of materials and activities as the basis for understanding and evaluating children's work. Required of all elementary majors. *Three semester hours*

ART 301 ANCIENT AND MEDIEVAL ART

A comprehensive study of architecture, sculpture, painting and minor arts from the paleolithic period to the Renaissance; emphasis on aesthetic values as well as historical currents. Prerequisite: Art 101. *Three semester hours*

ART 302 ART OF THE RENAISSANCE

A comprehensive study of architecture, sculpture and painting in Italy, Flanders, Holland, Germany, England, France, and Spain, with emphasis on the general characteristics of the Renaissance. Prerequisite: Art 101. *Three semester hours*

ART 305 HISTORY OF MODERN ART

A comprehensive study of the development of modern art from nineteenth-century neoclassicism through contemporary movements as abstract-expressionism, pop art and op art; examination of significant movements and artists. Prerequisite: Art 101. *Three semester hours*

ART 341 ARTS AND CRAFTS I

Creative work in a variety of activities with arts and crafts materials; emphasis on its application to the activities in the elementary and secondary classroom, as well as recreational activity programs, camps, etc. Recommended for students in Elementary, Secondary and Home Economics curricula. *Three semester hours*

ART 342 ARTS AND CRAFTS II

Continuation of Art 341. *Three semester hours*

ART 343 ARTS AND CRAFTS IN THE SPECIAL EDUCATION CURRICULUM I

Creative Work in a variety of activities with arts and crafts materials with particular emphasis on the needs of special education classes. Required of students concentrating in the area of Special Education. *Three semester hours*

ART 344 ARTS AND CRAFTS IN THE SPECIAL EDUCATION CURRICULUM II

Continuation of Art 343. *Three semester hours*

ART 345 DESIGN TECHNIQUES

The creative application of the principles and elements of design and color theory to two and three dimensional design problems; experimentation with a variety of media and materials. Recommended for majors in home economics. *Three semester hours*

ART 351 DRAWING AND OIL PAINTING I

Figure and still-life drawing in various media; methods and techniques of oil painting. For beginners. *Two semester hours*

ART 352 DRAWING AND OIL PAINTING II

Continuation of Art 351. *Two semester hours*

ART 353 ADVANCED DRAWING AND OIL PAINTING I

Advanced problems in drawing and painting; further exploration and experimentation of materials and techniques in drawing and painting. *Two semester hours*

ART 354 ADVANCED DRAWING AND OIL PAINTING II

Continuation of Art 353. *Two semester hours*

ART 361 DRAWING AND WATER-COLOR PAINTING I

Problems in drawing of figures, still-life and landscape; methods and techniques of water color painting. For beginners. *Two semester hours*

ART 362 DRAWING AND WATER-COLOR PAINTING II

Continuation of Art 361. *Two semester hours*

ART 371 CERAMICS I

Basic, comprehensive and practical application in all hand-forming and simple mold-making, clay methods. Potter's wheel practice; experimental, individual assignments; decorating, glazing, stacking, firing. Emphasis on creative design. *Two semester hours*

ART 372 CERAMICS II

Continuation of Art 371. *Two semester hours*

ART 373 ADVANCED CERAMICS I

Advanced problems in the integration of form and function. Development of wheel-throwing methods; simple techniques of pottery reproduction; individual construction. Emphasis upon creative design and aesthetic form. Prerequisite: Art 371 and 372.
Two semester hours

ART 374 ADVANCED CERAMICS II

Continuation of Art 373. *Two semester hours*

ART 381 MODELING

Basic, comprehensive course involving the organization of three dimensional space and matter; simple methods of casting and sculpture, construction; emphasis upon sculptural processes and materials, development of aesthetic form in three dimensions. *Two semester hours*

ART 382 SCULPTURE

Advanced problems in the organization of three dimensional form and space; work in sculpture construction, casting, modeling, terracotta and carving. Emphasis upon development of sculptural sensitivity as manifested in three-dimensional organization of space and matter. Prerequisite: Art 381. *Two semester hours*

ART 401 CULTURAL ORIGINS OF THE WEST

A travel-study seminar abroad visiting countries in Western Europe such as England, France, Netherlands, Germany, Austria, Italy and Yugoslavia; the course is planned as one of intensive study in the humanities of that part of the western world from which our culture springs; lectures conducted throughout the tour by the director, and finalized by the preparation of a term paper by the participants. A general education elective applicable to all curricula.
Six semester hours

EDUCATION AND PSYCHOLOGY

ED 101 GENERAL PSYCHOLOGY

Basic course in the science of psychology: heredity, environment and the self, maturation, learned and unlearned; motivation, emotion, perception, reasoning and the learning process; individual differences, personality measurement; the normal and abnormal.
Three semester hours

Ed 201 Educational Psychology

A study of the basic factors in the learning process, with emphasis on the application of the principles of psychology to the problems of learning and teaching; includes study of actual classroom problems and procedures. Prerequisite: Ed 101. *Three semester hours*

Ed 202 Evaluative Techniques

Elementary statistics, principles of test construction, selection and administration of standardized tests; emphasis on interpreting and reporting test scores; consideration of means of evaluation other than tests. Prerequisite: Ed 101 or Ed 201. *Two semester hours*

Ed 215 Audio-Visual Communication

A study of the field of educational theory and practice concerned with the design and use of messages which control the learning process. *Two semester hours.*

Ed 230 History and Philosophy of Education

A study of the development of American public education as an ideal and as an institution with particular emphasis placed upon understanding education as a value-charged activity. Attention is given to current controversy concerning the moral nature of the educational enterprise. *Three semester hours*

Ed 240 Problems of Secondary Education Including School Law

Practical problems of secondary teaching; school organization and administration; curriculum and co-curricular activities; examination of school law. *Two semester hours*

Ed El 250 Child Development

An interpretive description of human growth from conception through infancy, toddlerhood, preschool and school years, adolescence and into maturity. *Three Semester Hours*

Ed El 260 Children's Literature

A study of types of literature useful for children in preschool and elementary school; techniques include the art of dramatic reading, story telling and choral speaking. For majors in English as well as students in the Elementary curriculum. *Three semester hours*

Ed El (Mus) 280 Music for the Elementary Grades

The development of an understanding of fundamental musical concepts through the acquisition of basic skills in techniques of singing, piano chording, and aural facillity with theoretical problems.
One semester hour

Ed El (Mus) 281 Teaching Music in the Elementary Grades

Methods and materials for Kindergarten through 6th grades stressing a basic philosophy of music education, including demonstration, observation, and practice in the use of various teaching aids. Prerequisite: Ed El (Mus) 280. *Two semester hours*

Ed El (Art) 282 Teaching Art in the Elementary Grades

The philosophy and principles of art education in the Elementary curriculum; experience in the development of self-expression through a variety of materials and activities as the basis for understanding and evaluating children's work. *Three semester hours*

Ed El 283 Teaching of Reading in the Elementary School

The reading process; normal development; characteristics of children learning to read; methods and materials. Observation in the Campus Elementary School. Prerequisite: Ed 201.
Three semester hours

Ed El 284 Teaching Arithmetic

Methods of teaching arithmetic; examination of research in the field; application of psychology of learning; development of the skills required by the teacher of arithmetic *Three semester hours*

Ed El 285 Methods I (Teaching of Language, Health and Physical Education)

Principles, problems, materials and techniques for the teaching of speaking, listening, writing and reading; conducting the health and physical education program in the elementary school. Includes observation and participation in the Campus Elementary School. Prerequisite: Ed 201. *Four semester hours*

Ed El 286 Methods II (Teaching of Social Studies and Science)

Principles, problems, materials and techniques for the teaching of social studies and science in the elementary school. Includes observation and participation in the Campus Elementary School. Prerequisite: Ed 201. *Four semester hours*

Ed El 300 Preschool Education

Objectives, equipment and procedures in nursery school and kindergarten; observation in the Campus School kindergarten.
Three semester hours

Ed 301 Child Psychology

A study of the maturation, motivation, and learning process of children from birth to adolescence; focus on the development of a functional understanding of child psychology. *Three semester hours*

Ed 303 Adolescent Psychology

A study of physical, intellectual, emotional and moral development through the adolescent years; social adjustment of the young; particular attention to educational implications. Prerequisite: Ed 201.
Three semester hours

Ed 311 Mental Health

Dynamics of personal and social adjustment and maladjustment; understanding the causes, symptoms and treatment of disturbed personalities with particular emphasis upon prevention through the maintenance of good mental hygiene. Prequisite: Ed 201.
Three semester hours

Ed 312 Abnormal Psychology

The more unusual mental processes, the methods of observing and interpreting them, their bearing on our understanding of the normal mind. Special emphasis upon deviations among children of school age. Prerequisite: Ed 201. *Three semester hours*

Ed 320 Education of the Exceptional Child

A survey of the nature and needs of exceptional children. Study of the mentally retarded, gifted, neurologically impaired, physically handicapped, speech handicapped, and emotionally disturbed. History and philosophy of special education; methods of identification; educational adjustments. Observation in special classes. Prerequisite: Ed 201. *Three semester hours*

Ed 321 Psychology of Exceptional Children

Study of personality, emotional, social, and learning characteristics of children who are exceptional because of intelligence, physical development, behavior, speech, and hearing. Emphasis on understanding the psychological problems of these children and methods to facilitate adjustment; attitudes; mental tests and diagnosis; counseling and guidance; and educational implications. Observation of exceptional children. *Three semester hours*

Ed 322 Psychology of the Mentally Retarded

Intensive study of causes, classification, characteristics of mentally retarded children; differential diagnosis; mental testing; research findings; and educational, psychological, and social implications. Educable and trainable mental retardation are considered. Observation of retarded children is included. Prerequisite: Ed. 320.
Three semester hours

Ed 323 Methods for Teaching Retarded Children

Critical study of special methods and materials for teaching the retarded; school organization; special grouping; planning; evaluating pupil progress; teacher-pupil relationships; parent education; testing and remediation. Major emphasis is on the educable retarded with some discussion of the trainable. Observation and participation. Prerequisite: Ed 322. *Three semester hours*

Ed 324 Curriculum Development for the Mentally Retarded

Principles and procedures of curriculum construction for the mentally retarded. Critical study of existing curricula; goals; scope and sequence; occupational education; unit instruction; evaluation; current developments. Major emphasis is on the educable retarded with some discussion of the trainable. Observation and participation. Prerequisite: Ed 323. *Three semester hours*

Ed El 325 Diagnostic and Remedial Reading

Tests and techniques to prevent, detect and correct reading difficulties; special methods and materials for problem readers. Prerequisite: Ed El 283. *Three semester hours*

Ed 330 Guidance and Counseling Techniques

The responsibility of the teacher in the guidance program of the school; the identification of student problems; significant information and its use; techniques in guidance and counseling. Prerequisite: Ed 201. *Three semester hours*

Ed 350 School and Community

A study of group and intergroup activities of significance to the school; the dynamics of school and community interaction; the relation of teachers and students to community interests, needs, resources and problems. *Three semester hours*

Ed 400 Student Teaching

Practice teaching under supervision of master teachers. Required of all students working for a degree in teacher education.
Twelve semester hours

Ed El 401 Professional Seminar Including School Law

Taken in the senior year; orientation and critiques concerned with classroom problems; examination of school law, school organization and administration. *Two semester hours*

Ed 402 Professional Seminar and Teaching of Reading in Secondary Schools

Taken in the senior year; orientation and critiques concerned with classroom problems; basic reading instruction and reading in the content subjects. *Two semester hours*

ENGLISH LANGUAGE AND LITERATURE

Eng 101 English I

Study and application of the principles of good writing, reading, and speaking; intensive practice in writing and a functional presentation of English grammar. *Three semester hours*

ENG. 102 ENGLISH II

Continuation of intensive practice in writing and speaking, with more attention to critical reading of various literary forms; study and practice in the preparation of the research paper; introduction to semantics and the principles of sound reasoning in relation to effective writing and intelligent reading. *Three semester hours*

ENG. 110 GENERAL LITERATURE I

An introduction to the study of literature, directed toward analysis of idea and form; reading and discussion of dominant works selected from European and American literature; discussion and written assignment designed to promote perceptive reading.
Two semester hours

ENG 111 GENERAL LITERATURE II

Continuation of Eng 110, but may be taken separately.
Two semester hours

ENG 200 SURVEY OF ENGLISH LITERATURE

Recognized masterpieces of English Literature from the Anglo-Saxon period to the 20th century; a study of selected works in their historical context with emphasis on interpretation and critical evaluation. Required of English Majors. *Three semester hours*

ENG. 202 SURVEY OF AMERICAN LITERATURE

A study of major American writers from the colonial period to the present; selected works viewed in their historical context, but with close attention to intrinsic idea, value and form. Required of English majors. *Three semester hours*

ENG 210 THE WESTERN WORLD IN LITERATURE I

A survey of recognized literary classics from ancient times to the close of the Renaissance. Emphasis upon leading themes, philosophical implications, values and the continuity of Western culture.
Three semester hours

ENG 211 THE WESTERN WORLD IN LITERATURE II

A continuation of Eng 210 from the Age of Reason to our era.
Three semester hours

ENG 225 ENGLISH PHILOLOGY AND GRAMMAR

Introduction to linguistic science and the major factors in the historical development of the English language; descriptive analysis current English pronunciation, grammar, and writing system. Required of English majors and of students in other departments adding English as a second area of concentration. *Three semester hours*

ENG. 235 ADVANCED COMPOSITION

Intensive writing in areas representing each student's principal interest. Students not majoring in English admitted only by consent of instructor. Prerequisites: Eng 101 and 102, or equivalent. Required of English majors. *Three semester hours*

ENG 250 SHAKESPEARE

A detailed study of major works of Shakespeare; interpretation and evaluation, with attention to milieu. Required of English majors. *Three semester hours*

ENG 251 SHAKESPEARE

A continuation of Eng 250, offering the student an opportunity for more extensive reading from Shakespeare's major works. *Three semester hours*

ED EL 260 CHILDREN'S LITERATURE

A study of types of literature useful for children in preschool and elementary school: techniques including the art of dramatic reading, story telling and choral speaking. Offered by the Education Department. *Three semester hours*

ENG 290 TEACHING ENGLISH IN THE SECONDARY SCHOOL

Examination of the objectives, professional requirements and specialized problems of English instruction; survey of materials and aids for the teaching of the language arts in junior and senior high school; analysis of methods and trends, and practice in the development and presentation of programs of study. *Three semester hours*

ENG 300 JOURNALISM

The fundamentals of journalism: reporting, writing, editing; news, feature, free-lancing, make-up; efficient aids in handling a school paper. Recommended for English majors. *One to three semester hours*

ENG 301 THE ESSAY

A study of the essay from Montaigne to the present; analysis of ideas and style; interpretation of the work of major essayists in the light of social and philosophical backgrounds. *Three semester hours*

ENG 302 THE SHORT STORY

Close reading and critical analysis of the short story as a literary form; consideration of aesthetic aspects, philosophical and psychological implications of the work of outstanding writers in this genre. Three semester hours

ENG 305 LITERARY BIOGRAPHY

Historical and critical study of American and European biographical writing of literary distinction. *Three semester hours*

ENG 311 PRE-SHAKESPEAREAN LITERATURE

A study of representative works in English literature from the Anglo-Saxon period to 1590, with particular emphasis on Chaucer and Spenser. *Three semester hours*

ENG 313 EIGHTEENTH-CENTURY ENGLISH LITERATURE

A study of major English writers representing the Age of Reason and the pre-Romantic current; an examination of the basic ideas and values of neoclassicism in its historical setting. *Three semester hours*

ENG 315. THE ROMANTIC MOVEMENT

Wordsworth, Coleridge, Byron, Shelley, Keats and their contemporaries; reading and discussion, with attention to the social and ideological factors, as well as the poetic theory, shaping their work. *Three semester hours*

ENG 317 VICTORIAN POETRY AND PROSE

A study of major British writers from 1830 to 1900, tracing the relation of their work to social and intellectual influences of the period. *Three semester hours*

ENG 320 THE NOVEL TO 1870

Principal British and American novelists from the predecessors of Defoe to Hardy and Twain; analysis of form and meaning; examination of their work in relation to main social and intellectual trends. *Three semester hours*

ENG 321 THE NOVEL SINCE 1870

Significant British and American novels from 1870 to the present, with particular reference to aesthetic theories of the novel, naturalism, symbolism, and twentieth-century social protest. *Three semester hours*

ENG 322 MODERN DRAMA

The work of major dramatists from Ibsen to the present; criticism, interpretation, and analysis of techniques of dramatic composition and production. Credit applicable in the field of speech. *Three semester hours*

ENG 323 CONTEMPORARY POETRY

An intensive study of dominant British and American poets from Emily Dickson, G. M. Hopkins and Thomas Hardy to Eliot, Auden and Dylan Thomas; analysis of poetic method and the integral nature of form and meaning. *Three semester hours*

ENG 330 LITERARY CRITICISM

Examination of the major theories of literary criticism from Aristotle to the present, with practical application to literature representing the various genres. Prerequisite: At least six hours of literature beyond Eng 110 and 111 or consent of instructor

Three semester hours

ENG 335 CREATIVE WRITING

The writing of literary prose or verse under individual guidance and criticism. Admission only by consent of instructor.

Three semester hours

ENG 351 AMERICAN PROSE

Comprehensive reading in the works of selected American prose writers; examination of related biographical and critical materials. Primarily for juniors and seniors. *Three semester hours*

ENG 352 AMERICAN POETRY

Comprehensive reading of the poetry of major American writers selected by the instructor; examination of biographical and critical literature on the poets studied. Primarily for juniors and seniors.

Three semester hours

ENG 355 MASTERPIECES OF WORLD LITERATURE

Close reading of recognized masterpieces of literature, such as the *Oedipus Rex of* Sophocles, selections from the Bible, *Don Quixote,* Milton's *Samson Agonistes,* Votaire's *Candide,* Goethe's *Faust,* Flaubert's *Madam Bovary,* Eliot's *Waste Land* and sections of Joyce's *Ulysses.* Direction of study to analysis of form, moral and philosophical implications, aesthetic evaluation, and reflections of *Zeitgeist.*

Three semester hours

ENG 390 TEACHING DEVELOPMENTAL READING IN THE SECONDARY SCHOOL

The need and objectives of developmental reading programs in secondary schools; examination of the problems involved in identifying and aiding the handicapped reader; principles, techniques and materials for the development of reading efficiency; diagnosis of reading performance and identification of the cause of reading difficulties; types of reading tests, their evaluation and use; determination of levels of readability; evaluation and use of mechanical devices for improving reading skills; conditions and procedures for the promotion of critical reading, the desire to read, and discrimination in the selection of periodicals and books; teaching sound study habits; organizing and conducting a development reading program in junior and senior high school; review of professional literature on remedial and developmental reading. Practical application of principles and techniques throughout the course.

Three semester hours

ENG 400 DIRECTED STUDY

Individual study under the direction of a faculty member appointed by the department director. *Credit Arranged*

GEOGRAPHY

GEOG 201 PHYSICAL GEOGRAPHY

Introduction to the nature of geography and the physical aspects of the environment of man: the earth and its planetary relations; selected topics in physical geography, including weather, climate, soils, landforms, the principles of map projection and interpretation.
Three semester hours

GEOG 202 CULTURAL GEOGRAPHY

Continuation of Geog 201 but may be taken as a separate course. Introduction to the nature of geography and the cultural environment of man; includes study of population geography with such topics in cultural geography as settlements, manufacturing, resource and land use. *Three semester hours*

GEOG 205 ECONOMIC GEOGRAPHY I

The scope and philosophy of economic geography; world patterns of primary production and manufacturing; transportation and trade patterns. Prerequisite: Geog 201 or 202. *Three semester hours*

GEOG 206 ECONOMIC GEOGRAPHY II

Emphasis on the dynamic aspects of economic geography including geographic aspects of technological change, resource development, the influence of governments in the areal distribution and intensity of economic activities, case studies, and methods of measurement in economic geography. Prerequisite: Geog 201 or 202.
Three semester hours

GEOG 211 METEOROLOGY

Systematic study of the dynamics of the atmosphere utilizing the synoptic approach; includes the elements of climate and basic aspects of physical and regional climatology. Prerequisite: Geog 201.
Three semester hours

GEOG 212 INTRODUCTION TO CLIMATOLOGY

Systematic and regional study of the elements and controls of climate; application of standard classification systems and climatological data in analysis of climatic stations and regions. Prerequisite: Geog 211. *Three semester hours*

GEOG 220 PHYSICAL GEOLOGY

Materials and processes that produce the major land features of the earth's surface; includes study of rocks, minerals, geologic time, running water, seas and shorelines, volcanism, diastrophism. Laboratory course. *Four clock hours—Three semester hours*

GEOG 230 CARTOGRAPHY AND GRAPHICS

Study and execution of the principal map projections; employment of various map and graphic techniques and media.
Five clock hours—Three semester hours

GEOG 290 TEACHING GEOGRAPHY IN THE SECONDARY SCHOOL

Intensive reading in the nature and methodology of the geographic disciplines and their relation to methods of presentation in teaching. For geography majors who have attained at least junior standing.
Three semester hours

GEOG 301 POLITICAL GEOGRAPHY

Regional treatment of geographic factors and their influence on the development of the world's political units; case studies of problem areas in their regional settings. May be taken as a General Education elective by upperclassmen. *Three semester hours*

GEOG 302 WORLD PROBLEMS IN GEOGRAPHY

Evaluation of past and present problem areas of the world in relation to geographic factors involved in their development and their solution. Prerequisite: Geog 301. *Three semester hours*

GEOG 330 GEOGRAPHY OF THE UNITED STATES AND CANADA

Analysis of the regional patterns of Anglo-America, geographical problems, and the dynamics of geographic regionalism. Prerequisite: Geog 201 or 202. *Three semester hours*

GEOG 331 GEOGRAPHY OF PENNSYLVANIA

Topography, climate, resources, historical development, geographic regions of Pennsylvania. Field trips with particular attention to topographic and economic aspects of the Commonwealth. Prerequisite: Geog 201 or 202. *Three semester hours*

GEOG 332 GEOGRAPHY OF LATIN AMERICA

Study of the linguistically derived regionalism of America south of the Central American states; analysis and synthesis of geographic factors responsible for regional and sectional development. Prerequisite: Geog 201 or 202. *Three semester hours*

GEOG 335 GEOGRAPHY OF EUROPE

Systematic treatment of topography, climate, biotic resources and mineral resources, communication, population, and industrial areas; geographic regions of Europe. Prerequisite: Geog 201 or 202.
Three semester hours

GEOG 336 GEOGRAPHY OF ASIA

Systematic treatment of topography and climate of Asia; major geographic regions of the Soviet Union, Southwestern Asia, India. Prerequisite: Geog 201 or 202. *Three semester hours*

GEOG 337 GEOGRAPHY OF THE FAR EAST

Study of the region comprising China, Japan and Southeast Asia; geographic conditions and human welfare; major geographic regions; analysis of approaches being made to the fundamental geographic problems of the area. Prerequisite: Geog 201 or 202
Three semester hours

GEOG 338 GEOGRAPHY OF AFRICA

Emerging regional patterns in relation to their historical and contemporary significance. Prerequisite: Geog 201 or 202.
Three semester hours

GEOG 340 LAND USE AND NATURAL RESOURCES

Land use as a response to physical and cultural conditions of the past and present; major divisions of land use and resulting interrelationships of areal patterns; basic concepts of conservation; conservation within the major resource groups; evaluation of achievements and prospects in the conservation of resources. Prerequisites: Geog 201, 205 and 206. *Three semester hours*

GEOG 401 SPECIAL STUDIES IN GEOGRAPHY

Studies and research in philosophy and methodology, seminars in geography aspects of contemporary problems, field projects involving current regional land use problems, field trips in geomorphology and economic geography. *Semester Hours variable one, two or three*

HEALTH AND PHYSICAL EDUCATION

HPE 100 HEALTH (Personal and Community)

Instruction in principles and practices serving personal and community health; factors promoting physical and mental hygiene, the responsibilities of the citizen for public health, problems in personal and community health. Includes individual counseling and guidance.
One semester hour

HPE 101-104 Physical Education

Four semesters of physical education, completed with satisfactory rating, are required for graduation. Emphasis on the development of fundamental skills in seasonal activities for individual, dual, and team participation. *No credit hours*

SAFETY EDUCATION

The college is approved to offer the following courses in safety education which are not regularly scheduled:

HPE 301 General Safety Education

Home, school, public, industrial and traffic safety. A basic philosophy is presented and the principles of safety education are interpreted. *Three semester hours*

HPE 302 Highway Safety Education (Driver Education and Training)

Standard program and methods for instructing beginning drivers. Use of psycho-physical testing devices. Practical road training and practice. Prerequisite: Operator's License. *Three semester hours*

HPE 305 Methods and Materials in Safety Education

Survey of effective methods of teaching safety. Evaluation and adaptation of safety education materials to the school instructional program. *Three semester hours*

HPE 306 Organization and Supervision of Safety Education

Application of basic principles of organization and administration of safety. Planning and developing a school safety program. *Three semester hours*

HOME ECONOMICS

H Ec Home Economics Orientation

Survey of the philosophy and basic tenets of home economics and of current achievements in the profession; consideration of educational, scientific and technological changes which have affected family life and the relation of the field of home economics to such changes *One semester hour*

H Ec 201 Clothing Construction, Selection and Purchasing I

Color, line and design for the individual; study of wardrobe planning. Construction and fitting of clothing using a variety of techniques and scientific processes. Clothing decisions are made in relation to the individual, family needs and income. *Four semester hours*

H Ec 202 Clothing II

202a—*Elementary Textiles*

A study of fibers—their chemical and physical properties; yarns-construction, and use, care; fabric finishes applied to clothing and household textiles. Textiles laboratory experiences. Prerequisite: H Ec 201. *Two semester hours*

202b—*Tailoring*

Construction of a tailored garment with emphasis on tailoring construction techniques, selection of pattern, fabric design and texture, fitting problems related to the individual. Prerequisite: H Ec 201. *Two semester hours*

H Ec 215 Foods and Nutrition I

A study of the dietary contributions of the basic food groups. The application of physical and chemical principles as related to the selection, preparation, and use of food. *Four semester hours*

H Ec 216 Foods and Nutrition II

Meal management. This course emphasizes selection, management and preparation of family meals, including the nutritional needs of various family members. Table service and etiquette are included also. *Four semester hours*

H Ec 221 Consumer Economics and Family Finance

Principles of economics affecting consumer choice; status symbols, custom, advertising. Stresses family decisions: budgeting, "best buys," banking, insurance, investments, credit, taxes, and estate planning. *Three semester hours*

H Ec 223 Housing and Home Furnishings

Artistic and economic problems in planning and furnishing a home: architecture, floor plans, building and decorating materials; includes laboratory experience. *Three semester hours*

H Ec 224 Household Care and Equipment

Efficient choice, use and care of home appliances; the principles upon which they operate; wise use of time, energy, aptitudes and skills. *Two semester hours*

H Ec 225 Home Management (Residence)

Student experiences in living in a family group provide opportunities for managing resources, decision making and learning to live with others. Individual and group needs are met through practical experiences in shopping, planning, preparing and serving attractive, nutritious meals; use and care of equipment and furnishings; and provision for entertaining and family well-being. *Three semester hours*

H Ec 226 Management Principles of Home Operation

Principles of time and motion study, work simplification, storage work area arrangement and safety as applied to the home. Relation of these factors to human and material resources of the home which are important in solving problems of family living in contemporary society. Concurrent with H Ec 225—Home Management.

Two semester hours

H Ec 231 Child Development and Nursery School

The child as a family member; his physical, mental, emotional and social development; techniques of organizing a nursery school: observation and participation. *Four semester hours*

H Ec 235 Family Relations

Brief historical background of the family; present day family mores; dating, engagement and marriage; emphasis on attaining satisfying intra-family relationships. (May be taken by non-Home Economics majors.) *Three semester hours*

H Ec 240 The Adolescent

Relation of family and education to the social order, with emphasis on the characteristics and needs of adolescents; factors of comptency which contribute to effective teaching; philosophy underlying the program at the secondary level. *Three semester hours*

H Ec 250 Home Economics Education in Secondary School

Home Economics in the secondary schools; organization and administration, methods of teaching, evaluation, and curriculum. Prerequisite: H Ec 240. *Four semester hours*

H Ec 290 Adult Homemaking Education

Examination of the scope and emphasis needed in homemaking education for out-of-school youth and for adults; organization, administration and planning of program; method of teaching; cooperation among educational and other community agencies in the program for teaching home and family living to youths and adults. Prerequisite: H Ec 240. *One semester hour*

H Ec 301 Advanced Textiles

Identification, purchase, use and care of textiles; fibers, fabrics and finishes; recent market developments and labeling legislation and consumer practice. *Three semester hours*

H Ec 303 Advanced Clothing

Draping and flat pattern methods in the creation of designs for construction. Prerequisites: H Ec 201 and 202

Six clock hours—Three semester hours

H Ec 304 Problems in Home Furnishings

The current trends and the aesthetic concepts in the selection and arrangement of home furnishings. Consideration will be given to the application of the art principles, economic factors, personal values and needs of the family. *Three semester hours*

H Ec 305 Special Problems in Clothing

This course is concerned with the individual's special problems in clothing. Problems centered around hand detailing, decorative techniques, designers, the fashion market, children's clothing, millinery, skills and techniques of dressmaking with particular attention to individual problems. Special emphases are placed upon new, time saving methods and techniques. *Six clock hours—Three semester hours*

H Ec 317 Nutrition

Nutrients, metabolism, and nutritional needs of individuals throughout the stages of the life cycle are studied. Diets are calculated at various income levels. Special emphasis is given to current research, food fads and fallacies, and consumer protection. Prerequisite: eight semester hours in foods and nutrition or consent of the instructor.

Four clock hours—Three semester hours

H Ec 318 Advanced Foods

An extension of the concepts of food principles as related to the preparation and service of food, including aesthetic and cultural implications. It consists of experience with food demonstrations, individual group preparation and evaluation of food for various occasions.

Five clock hours—Three semester hours

H Ec 319 Advanced Child Development; the Pre-School Child

Advanced study in child development with emphasis placed upon the techniques of child guidance and adult-child interaction. A survey of research and current readings in the child development is used concurrently with laboratory experience in guidance and supervision of young children. The course is also designed to assist student in the selection and use of equipment and creative play materials as related to the development of the child from infancy through childhood.

Three semester hours

H Ec 322 Special Problems in Home Economics

Individual investigation of problems related to teaching of home economics in the secondary school or in any of the areas studied in home economics such as child development, family finance, foods and nutrition, clothing and textiles, etc. *One to four semester hours*

H Ec 355 Current Trends and Recent Developments in Home Economics

Analysis and interpretation of the sociological and economical changes that have occurred in our society and how these have affected the home economics curriculum; with special emphasis on the integration of these into the curriculum. *Three semester hours*

Ed (H Ec) 400 Student Teaching and Related Activities

Student teachers live in typical communities and teach in departments which include broad areas of home economics in the curriculum. Instruction is under the supervision of the local supervising teacher and the college Vocational Education teacher educator. A two-week seminar at the end of the semester provides for study and help with professional problems and an exchange of ideas and experiences.
Twelve semester hours

LIBRARY EDUCATION

Lib 211 Introduction to Librarianship

A survey of the library profession, its philosophy, history, objectives and professional requirements; role of the school librarian in the modern school. *Three semester hours*

Lib 212 Library Organization and Administration

Detailed study of school library planning and organization; emphasis upon practical methods of keeping library records, purchasing books, training student assistants, teaching use of the library, making displays and managing publicity. Focus upon the responsibility of the library in helping to carry out the educational objectives of the school program. Prerequisite: Lib 211. *Three semester hours*

Lib 221 Reference Services and Materials

An intensive study of basic reference tools: the effective use and evaluation of dictionaries, encyclopedias, indexes, almanacs, directories, atlases, etcetera; study and evaluation of special subject reference materials in the pure sciences, social sciences, humanities; major emphasis on finding techniques, interpreting and utilizing informational material; attention to bibliographic form and the building of a reference collection. Prerequisite: Lib 212. *Three semester hours*

Lib 242 Cataloging and Classification

Classification, assigning subject headings and cataloging printed materials for the school library. Includes the preparation of unit cards, analytics, and added entries; purchase and adapting of printed cards; use of a printed list in assigning subject headings, and the arrangement of the dictionary catalog and use of the shelf list. Prerequisite: Lib 212.
Three semester hours

Lib 260 Book Selection for Children

A study of the various types of children's literature and their evaluation by standard criteria; media for book reviews of children's literature and the library tools essential for selection.

Three semester hours

Lib 261 Young People's Literature

A study of book materials which helps meet the needs and interests of youth of secondary school age; representative experience in reading and evaluating books, and the acquisition of familiarity with book selection aids. *Three semester hours*

Lib 262 Adult Literature

A study of the book market, publishing field, book reviewing media, and current principles and practices in relation to the adult reader; includes consideration of current fiction and non-fiction as well as the standard adult works of literature. *Three semester hours*

Lib 263 Story Telling and Reading Guidance

A study of the art of story telling, including techniques of adaptation and presentation for children of various ages; planning the story hour; practice in story telling. Analysis of problems involved in the reading patterns of children and methods used to overcome reading difficulties. *Three semester hours*

Lib 280 Non-Book Materials

Techniques of selection, acquisition, cataloging and classification of non-book materials; the organization and operation of the library as an instructional materials center. Prerequisite: Lib 242.

Three semester hours

Lib 285 Curriculum Materials

Analysis and utilization of school library resources for the development of enriched, integrated units of study in elementary and secondary curricula. Prerequisite: Lib 280. *Three semester hours*

Lib 330 History of Books and Libraries

A study of the evolution of the alphabet, paper making, printing and bookbinding through the ages; particular attention to libraries and their developments; concepts of modern library service as a reflection of this evolutionary development. *Three semester hours*

Lib 390 Documentation and the Elements of Research

An advanced course for non-library science students. Research techniques, citations, bibliography and other technical aspects of the preparation of scholarly papers. *One semester hour*

Ed(Lib) 400 Library Practice

Off-campus experiences in public school libraries under the supervision of school librarians. *Twelve semester hours*

MATHEMATICS

Ma 100 Algebra and Trigonometry

Set notation, coordinate systems, functions, circular functions, trigonometric formulas, linear and quadratic functions, irrational equations, variations, polynomial functions, theory of equations, inverse functions, graphing of circular functions, mathematical induction, binomial expansion, complex numbers, permutations, combinations, and probability. *Three semester hours*

Ma 101 Fundamental Concepts in Mathematics I

Set notation, numbers and numerals, change of base, operational postulates, modulo systems, abstract mathematical systems, groups, fields, integers, rationals, reals, complex numbers, (1-1) correspondence, functions, and symbolic logic. *Three semester hours*

Ma 101 and 102 form a terminal sequence for general cultural purposes. Except when a student's department stipulates that the course sequence must be completed, Ma 101 may be taken for credit independently of Ma 102.

Ma 102 Fundamental Concepts in Mathematics II

Treats, coordinate systems, analytic geometry, inequalities, linear programming, analytic trigonometry, algebra concepts, elementary statistics, and an introduction to calculus. Prerequisite: Ma 101. *Three semester hours:Spring semester*

Ma 210 Analytic Geometry and Calculus I

Topics from algebra, introduction to analytic geometry, functions, limits and derivatives, differentiation of algebraic functions, applications, conics, translation and rotation of axes, and the definite integral. Prerequisite: Ma 100 or equivalent. *Three semester hours*

Ma 211 Analytic Geometry and Calculus II

Applications of the definite integral, differentiation of transcendental functions, applications, techniques of integration, approximation methods, mean Value theorem, improper integrals, indeterminate forms, parametric equations, and polar coordinates. Prerequisite: Ma 210. *Three semester hours*

Ma 212 Analytic Geometry and Calculus III

Sequences, series, convergence tests, power series, solid analytic geometry, partial differentiation and multiple integration. Prerequisite: Ma 211. *Three semester hours*

Ma 213 Differential Equations

Exact equations, integrating factors, linear differential equations, simultaneous equations, first or order equations, homogeneous linear equations with constant coefficients, operators, variation of parameters, applications, linear differential equations with non-constant coefficients, solution by series, the Bessel equation, numerical analysis methods, transform methods and existence theorems. Prerequisite: Ma 212 or concurrent enrollment in Ma 212. *Three semester hours*

Ma 220 Linear Algerba and Matrix Theory

Matrices, matrix operations, solution of linear systems, transposes, adjoints, inverses, mappings, one to one mappings, linear transformaations, vectors, vector spaces. subspaces, bases, linear dependence, change of basis and applications (linear programming, etc.) Prerequisite. Ma 212. *Spring Semester* *Three semester hours*

Ma 221 Modern Algebra

Congruences, groups, fields, integral domains, rings, algebra of classes, Boolean algebra, transfinite arithmetic and polynominal forms. Prerequisite: Ma 212. *Fall Semester.* *Three semester hours*

Ma 230 Modern Geometry

Emphasis on the axiomatic approach. Advanced Euclidean geometry and non-Euclidean geometry. Introduction to projective geometry. Prerequisite: Ma 212. *Fall Semester* *Three semester hours*

Ma 250 Probability and Statistics I

Set theory and logic. Probability: sample spaces and distributions. Typical methods of sampling and hypothesis testing. Restricted to a study of discrete sample spaces, hence calculus is not a prerequisite: Prerequisite: Ma 100 or equivalent. *Spring Semester*
Three semester hours

Ma 270 History and Philosophy of Mathematics

A study of the chronological development of mathematics from prehistoric times to the present, emphasizing the great contributors to mathematics and tracing the development of the content of each area of elementary mathematics. *Fall Semester.* *Three Semester Hours*

Ma 290 Teaching Mathematics in the Secondary School

Consideration of the place and purpose of mathematics in secondary education; examination of curriculum problems; study of methods, techniques, and psychology in the teaching of algebra and geometry, study and interpretation of the recommendations of the Commission on Mathematics, School Mathematics Study Group and similar committees. Prerequisites: Ma 220 and Ma 230. *Spring Semester.* *Two semester hours*

Ma 310 Numerical Analysis and Programming

Introduction to digital and analog computer programming. Finite differences; approximation methods; applications. Prerequisite: Ma 213. *Spring Semester—Odd Years.* *Three semester hours*

Ma 315 Advanced Calculus I

The real number system. Emphasis on the concepts and theory of calculus: functions, limits, continuity, mean value theorem for functions of one variable and of several variables; integration; partial derivatives; implicit functions; improper integral.
Fall Semester—Even Years *Three semester hours*

Ma 316 Advanced Calculus *II*

Emphasis will be placed on the development of the theory of partial differentiation, infinite series, power series, uniform convergence, line and surface integrals, and some special functions. Prerequisite: Ma 315. *Spring Semester—Odd Years.* *Three semester hours*

Ma 318 Complex Variables

A first course in complex variables. Complex numbers, analytic functions, elementary functions, mappings by elementary functions, integrals, power series, residues, poles, conformal mappings. Prerequisite: Ma 212. *Spring Semester—Even Years.* *Three semester hours*

Ma 320 Boolean Algebra and Symbolic Logic

Set theory, propositional calculus, Boolean Algebra. applications, symbolic logic and applications via probability theory. Prerequisite: Ma 220. *Spring Semester—Even Years.* *Three semester hours*

Ma 321 Linear Programming and Theory of Games

Review of basic concepts in linear algebra, convex sets, development of the simplex method, applications, and theory of games. Prerequisite: Ma 220. *Fall Semester—Odd Years.* *Three semester hours*

Ma 325 Number Theory

Divisibility theory, congruences and residue classes, Diophantine equations, number theoretic functions are among the topics studied. Prerequisite: Ma 212. *Fall Semester—Odd Years.*
Three semester hours

Ma 340 Intermediate Differential Equations

A course in series solutions of differential equations. Some associated special functions such as Bessel functions and LeGendre Polynominals will be studied. Prerequisite: Ma 213. *Spring Semester—Odd Years.* *Three semester hours*

Ma 345 Partial Differential Equations

Solutions of partial differential equations and boundary value problems; LaPlace transforms, Fourier series and transforms. Prerequisite: Ma 213. *Fall Semester—Odd Years.* *Three semester hours*

Ma 350 Probability and Statistics II

Continuous sample spaces, limit theorems, stochastic processes, Markov chains, nature of statistical inference, and applications. Prerequisites: Ma 250 and Ma 212. *Fall Semester—Even Years.*
Three semester hours

Ma 360 Topology

An introductory course in point-set topology. Set theory, metric spaces, topological spaces, connectedness, compactness. Prerequisite: Ma 212. *Fall Semester—Even Years.* *Three semester hours*

Ma 401 Selected Topics in Mathematics

Selections from Topology, Group Theory, Game Theory, Matrix Theory, Real Analysis, etc., Prerequisite: Senior or advanced junior standing and consent of the instructor. *Spring Semester—Even Years.*
Credit Arranged

MODERN FOREIGN LANGUAGES

French

(In addition to the scheduled three class meetings, all introductory and intermediate language students are required to spend at least two periods per week in the language laboratory.)

Fr 101 Introductory French

For students who have not previously studied French. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. *Language Lab attendance is required twice a week.* *Three semester hours*

Fr 102 Introductory French

Continuation of Fr. 101. Prerequisite: One year of secondary school French, or Fr 101 or its equivalent. *Language Lab attendance is required twice a week.* *Three semester hours*

Fr 201 Intermediate French

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school French or one year of college French. *Language Lab attendance is required twice a week.* *Three semester hours*

Fr 202 Intermediate French

Continuation of Fr 201. Prerequisite: Two years of secondary school French or Fr 201. *Language Lab attendance is required twice a week.* *Three semester hours*

Fr 225 French Linguistics

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in French. Required of all French majors. Prerequisite: Fr 202 or three years of secondary school French.

Three semester hours

Fr 290 The Teaching of Foreign Language (French)

Methodology and techniques for both elementary and secondary schools; observation of foreign language classes with opportunity for participation by selected students. Required of all French majors.

Three semester hours

Fr 301 Survey of French Literature

Selected readings in the works of major French writers through the eighteenth century; outside reading and reports in french; consideration of literary movements, style and form. Prerequisite: French 202 or three years of secondary school French. *Three semester hours*

Fr 302 Survey of French Literature

Selected readings in the works of Major French writers since 1800; outside reading and reports in French; consideration of literary movements, style and form. Prerequisite: Fr 202 or three years of secondary school French. *Three semester hours*

Fr 305 Conversational French

Intensive practice in speaking French for students interested particularly in developing fluency in the language. Prerequisite: Fr 202 or equivalent. *Three semester hours*

Fr 331 French Classical Drama

A study of selected plays of Corneille, Racine and Moliere, with attention to the early history of French drama; outside reading and reports. Prerequisites: Fr 301 and 302 or equivalent.

Three semester hours

Fr 332 French Drama Since the Seventeenth Century

A study of representative dramatists from Marivaux and Voltaire to Giraudoux, Sartre and Anouilh; outside reading and reports. Prerequisites: Fr 301 and 302, or equivalent. *Three semester hours*

Fr 341 The Novel in France

Extensive reading in major works of French novelists since the seventeenth century; consideration of literary movements, background influences, form and style; outside reading and reports. Prerequisites: Fr 301 or 302, or equivalent. *Three semester hours*

Fr 342 The Novel in France

Continuation of Fr 341, but may be taken separately.

Three semester hours

Fr 350 Senior Seminar

Special study projects in French language and literature; independing reading in defined areas, followed by written analytical reports in French. For advanced French majors with senior standing.

Credit Arranged

German

(In addition to the scheduled three class meetings, all introductory and intermediate language students are required to spend at least two periods per week in the language laboratory.)

Ger 101 Introductory German

For students who have not previously studied German. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. *Language Lab attendance is required twice a week.* *Three semester hours*

Ger 102 Introductory German

Continuation of Ger 101. Prerequisite: One year of secondary school German, or Ger 101 or its equivalent. *Language Lab attendance is required twice a week.* *Three semester hours*

Ger 201 Intermediate German

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school German or one year of college German. *Language Lab attendance is required twice a week.* *Three semester hours*

Ger 202 Intermediate German

Continuation of Ger 201. Prerequisite: Two years secondary school German or German 201. *Language Lab attendance is required twice a week.* *Three semester hours*

Ger 225 German Linguistics

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in German. Required of all German majors. Prerequisite: Ger 202 or three years of secondary school German.

Three semester hours

Ger 290 The Teaching of Foreign Languages (German)

Methodology and techniques of teaching foreign languages in both elementary and secondary schools; investigation of materials and aids for the language teacher; observation of foreign language classes with opportunity for participation by selected students. Required of all German majors. *Three semester hours*

Ger 301 Survey of German Literature

Introductory course to acquaint student with literary movements and representative writers from its beginning through the 19th century. Prerequisite: German 202 or three years of secondary school German.
Three semester hours

Ger 302 Survey of German Literature

Continuation of Ger 301. *Three semester hours*

Ger 305 Conversational German

Intensive practice in speaking German for students interested particularly in developing fluency in the language. Prerequisite: Ger 202 or equivalent. *Three semester hours*

Ger 320 Modern German Literature

A study of the representative works of the principal German writers of the nineteenth and twentieth century. Selections are read and discussed. Individual oral and written reports. Prerequisite: Ger 202 or three years of secondary school German. *Three semester hours*

Ger 321 Modern German Literature

Continuation of Ger 320. *Three semester hours*

Ger 331 German Classical Drama

A survey of German classical drama, with reading, analysis and discussion of the principal dramatic works of Lessing, Schiller, and Goethe. Prerequisites: Ger 301 and 302, or equivalent.
Three semester hours

Ger 332 Modern German Drama

A study of major German dramatists from Tieck and Hebbel to Hauptmann and other moderns; consideration of literary movements and background influences. Prerequisites: German 301 and 302, or equivalent *Three semester hours*

Ger 340 German Poetry

A study of the works of major poets from a number of literary periods. Various critical approaches will be used and discussed. Individual oral and written reports. Prerequisites: Ger 301 and 302, or 320 and 321. *Three semester hours*

Ger 341 The Novel and Short Story in German Literature

A study of major works of German fiction; outside reading, class discussion and reports emphasizing literary movements, ideas, form and style. Prerequisites: Ger 301 and 302, or equivalent.
Three semester hours

Ger 342 The Novel and Short Story in German Literature

Continuation of Ger 341, but may be taken separately.

Three semester hours

Ger 350 Senior Seminar

Special study projects in German language and literature; independent reading in defined areas, followed by written analytical reports in German. For advanced German majors with senior standing.

Credit Arranged

Russian

(In addition to the scheduled three class meetings, all introductory and intermediate language students are required to spend at least two periods per week in the language laboratory.)

Rus 101 Introductory Russian

For students who have not previously studied Russian. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. *Language Lab attendance is required twice a week* *Three semester hours*

Rus 102 Introductory Russian

Continuation of Rus 101. Prerequisite: Rus 101 or equivalent. *Language Lab attendance is required twice a week.*

Three semester hours

Rus 201 Intermediate Russian

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: One year of college Russian or equivalent. *Language Lab attendance is required twice a week.*

Three semester hours

Rus 202 Intermediate Russian

Continuation of Rus 201. Prerequisite: Rus 201 or equivalent. Students interested in scientific and technical Russian may elect Rus 310 as an alternative to this course. *Language Lab attendance is required twice a week.* *Three seminar hours*

Rus 225 Russian Linguistics

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in Russian. Required of all Russian majors. Prerequisite: Rus 202 or equivalent. *Three semester hours*

Rus 290 The Teaching of Foreign Languages (Russian)

Methodology and techniques of teaching foreign languages in both elementary and secondary schools; investigation of materials and aids for the language teacher; observation of foreign language classes with opportunity for participation by selected students. Required of all Russian majors. *Three semester hours*

Rus 301 Survey of Russian Literature

Selected readings in the works of dominant Russian writers; outside reading and reports in Russian; consideration given to literary movements, historical backgrounds, form and style. Prerequisite: Rus 202 or equivalent. *Three semester hours*

Rus 302 Survey of Russian Literature

Continuation of Rus 301. *Three semester hours*

Rus 305 Conversational Russian

Intensive practice in speaking Russian for students interested particularly in developing fluency in the language. Prerequisite: Rus 202 or equivalent. *Three semester hours*

Rus 310 Introduction to Scientific and Technical Russian

An alternative to Rus 202 for science majors, or may be taken in addition to Rus 202. Review of syntax, varied reading in general science and basic technical fields; emphasis on the development of a reading knowledge. Prerequisite: Rus 201. *Three semester hours*

Rus 331 Russian Classics

Reading and analysis of representative works by principal Russian writers; outside reading and reports in Russian. Prerequisites: Rus 301 and 302 *Three semester hours*

Rus 332 Russian Classics

Continuation of Rus 331, but may be taken separately. *Three semester hours*

Rus 340 Soviet Literature

Reading and analysis of representative works by principal Soviet writers; outside reading and reports in Russian. Prerequisites: Rus 301 and 302. *Three semester hours*

Rus 350 Senior Seminar

Special study projects in Russian language and literature; independent reading in defined areas, followed by written analytical reports in Russian. For advanced students in Russian with senior standing. *Credit Arranged*

Spanish

(In addition to the scheduled three class meetings, all introductory and intermediate language students are required to spend at least two periods per week in the language laboratory.)

Span 101 Introductory Spanish

For students who have previously studied Spanish. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. *Language Lab attendance is required twice a week.* *Three semester hours*

SPAN 102 INTRODUCTORY SPANISH

Continuation of Span 101. Prerequisite: One year of secondary school Spanish, or Span 101 or its equivalent. *Language Lab attendance is required twice a week.* *Three semester hours*

SPAN 201 INTERMEDIATE SPANISH

Independent reaching, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school Spanish or one year of college Spanish. *Language Lab attendance is required twice a week.* *Three semester hours*

SPAN 202 INTERMEDIATE SPANISH

Continuation of Span 201. Prerequisite: Two years of secondary school Spanish or Span 201. *Language Lab attendance is required twice a week.* *Three semester hours*

SPAN 225 SPANISH LINGUISTICS

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in Spanish. Required of all Spanish majors. Prerequisite: Span 202 or three years of secondary school Spanish *Three semester hours*

SPAN 290 THE TEACHING OF FOREIGN LANGUAGES (SPANISH)

Methodology and techniques for both elementary and secondary schools; observation of foreign language classes with opportunity for participation by selected students. Required of all Spanish majors. *Three semester hours*

SPAN 301 SURVEY OF SPANISH LITERATURE

Reading in selected works of principal writers of Spain, with attention to literary movements, historical backgrounds, style and form; outside reading and reports in Spanish. Prerequisite: Span 202 or three years of secondary school Spanish. *Three semester hours*

SPAN 302 SURVEY OF SPANISH LITERATURE

Continuation of Span 301. *Three semester hours*

SPAN 305 CONVERSATIONAL SPANISH AND COMPOSITION

Intensive practice in speaking and writing for the development of proficiency and ease in communication with native speakers. For students interested particularly in developing fluency in the language. Prerequisite: Spanish 202 or equivalent. *Three semester hours*

SPAN 320 SPANISH-AMERICAN LITERATURE

A study of major writers and literary movements; supplementary reading and reports in Spanish. Prerequisites: Span 301 and 302, or equivalent. *Three semester hours*

SPAN 321 SPANISH-AMERICAN LITERATURE

Continuation of Span 320. *Three semester hours*

SPAN 331 GOLDEN AGE DRAMA

Reading of representative plays from Spain's Golden Age; analysis, consideration of literary movements; form and style; outside reading and reports in Spanish. Major dramatists are Lope de Vega, Calderon de la Barca, Tirso de Molina, Ruiz de Alarcon, and some of the minor important dramatists of the Seventeenth Century. Prerequisites: Span 301 and 302, or equivalent. *Three semester hours*

SPAN 332 MODERN SPANISH DRAMA

A study of major Spanish dramatists since 1800, including Moratin, Duque de Rivas, Zorrilla, Echegaray, Benavente, Casona, Buero, Hartzenbusch, and some minor important dramatists. Analysis, consideration of literary movements; form and style; outside reading and reports in Spanish. Prerequisites: Span 301 and 302, or equivalents, but may be taken separately. *Three semester hours*

SPAN 341 THE NOVEL AND/OR SHORT STORY IN SPAIN

An extensive study of Cervantes, with the major emphasis on his masterpiece, *Don Quijote de La Mancha*. An examination of his *Novelas Ejemplares* and *La Numancia* will also be made. His life; his contributions to world literature; form and style; outside reading and reports in Spanish. Prerequisites: Span 301 and 302, or equivalent. *Three semester hours*

SPAN 342 THE NOVEL AND SHORT STORY IN SPAIN

A study of the major prose fiction writers, including Fernan Caballero, Valera, Antonio de Alarcon, Pereda, Emilia Pardo Bazan, Palacio Valdes, Perez Galdos, Blasco Ibanez, Baroja, Valle-Inclan, and some of the minor important prose fiction writers. Consideration of literary movements, form and style; outside reading and reports in Spanish. Prerequisites: Span 301 and 302, or equivalents, but may be taken separately. *Three semester hours*

SPAN 350 SENIOR SEMINAR

Special study projects in Spanish language and literature; independent reading in defined areas, followed by written reports in Spanish. For advanced Spanish majors with senior standing. *Credit Arranged*

MUSIC

MUS 101 INTRODUCTION TO MUSIC

A study of the various types of musical expression through representative composers; consideration of social and political as well as artistic factors influencing the historical development of music. *Two semester hours*

*Mus 200 Survey of Music Literature

A survey of representative masterpieces from the Baroque to the contemporary era. Emphasis upon form, historical background, and stylistic characterictics of individual composers. *Two semester hours*

*Mus 205 Eurhythmics I

Designed to develop, through body movement, greater sensitivity to, and awareness of, the nuances of dynamics and rhythm.
One semester hour

Mus 206 Eurhythmics II

Continuation of Eurhythmics I, involving more difficult problems in rhythm and coordination. *One semester hour*

*Mus 211 Basic Music I

Simple tonal, rhythmic and harmonic vocabulary; singing, dictation, keyboard, analysis, writing, creative work. *Three semester hours*

Mus 212 Basic Music II

Continuation of techniques of Basic Music I; tonicization, harmonic function, modulation; small musical forms. Prerequisite: Mus 211.
Three semester hours

Mus 213 Basic Music III

Further development of techniques using more advanced tonal, rhythmic and harmonic vocabulary; contrapuntal elaboration; sonata-allegro form. Prerequisite: Mus 212. *Four semester hours*

Mus 214 Basic Music IV

Continual development of skills introduced in previous courses; variation and rondo forms. Prerequisite: Mus 213
Four semester hours

Mus 221 Methods I

Examination of current available materials intended for use from kindergarten through sixth grade; includes care and use of the child voice, attainment of desirable class attitude toward music, development of a reading program, desirable music experience, ~~music in rural schools~~. Experience provided in the use of materials at each grade level. Observation of music education in practice ~~in laboratory schools~~.
Two semester hours

Mus 222 Methods II

Basic philosophy of music education, professional attitudes and relationships, organization of required and elective courses, practical demonstrations of equipment and techniques; grades seven through twelve, primarily vocal. *Two semester hours*

*Courses available as General Education electives to all students.

Mus 223 Methods III (Instrumental)

Study of a suitable instrumental program for a public school system; particular attention to the problems of organization and administration, as well as the teaching techniques with various instruments; survey and evaluation of available materials for all phases of the instrumental program. Includes a unit in class piano methods to acquaint students with the value of the piano class as a means of developing basic musicianship, and with procedures for attainment of skill in reading, auditory discernment, theory and keyboard techniques. Examination and discussion of materials suitable for the first two years of piano study. *Two semester hours*

Mus 231 Conducting I (Choral)

Guidance in the development of conducting techniques based on the fundamental meter designs; study of problems of style and interpretation. Students conduct choral compositions appropriate to various levels of achievement. *Two semester hours*

Mus 232 Conducting II (Instrumental)

Preparation for conducting instrumental groups, band and orchestral, on a public school level; rehearsal and performance techniques. Preparation for conducting current public school band and orchestral material, as well as suitable ensemble material for secondary school organization in choice of musical materials. *Two semester hours*

Mus 235 Orchestration

Characteristics of orchestral instruments; scoring for various instrumental groups. Prerequisite: Mus 214. *Two semester hours*

Mus 240-245 Applied Music (seven semesters)

Applied music in the curriculum serves two purposes: developing the student's musicianship and providing him as a prospective teacher with the knowledge and techniques of various media needed for conducting an effective music program in the public schools. The minimum requirements for graduation are as follows:

1. Knowledge of the performance fundamentals of violin, cello, viola, string bass, clarinet, flute, cornet, trombone and percussion.
2. Sufficient skill in the use of the singing voice to function as a teaching medium in all areas of a public school music program.
3. Keyboard facility adequate to satisfy the needs of a prospective music teacher:
   a. Ability to play musically the accompaniments found in the basic public school series used in the methods courses.
   b. Ability to sight-read simple accompaniments.
   c. Ability to improvise accompaniments in simple piano style.
   d. Ability to play at sight a hymn tune of medium difficulty.
   e. Ability to play from memory ten Community songs.

f. Ability to play one composition from each of the following periods: classic, romantic, modern. At least one piece must be played from memory.

Mus 240 Voice (1, 2 or 3)*
Mus 241 Piano (1, 2 or 3)
Mus 242 Strings: instruments as designated (1, 2 or 3)
Mus 243 Brass: instruments as designated (1, 2 or 3)
Mus 244 Woodwind: instruments as designated (1, 2 or 3)
Mus 245 Miscellaneous: as designated (1, 2 or 3)

MUSIC ORGANIZATIONS (available by consent of conductor only)

Mus 256 Band II: Marching Band and ~~Training~~ Symphonic Band.
Mus 257 Band: I: Concert Band.
Mus 258 Orchestra II: Training Orchestra.
Mus 259 Orchestra I: Concert Orchestra
Mus 260 Chorus II: ~~Training Chorus~~ Freshman Chorus
Mus 261 Chorus I: Concert Chorus — Festival Chorus
Mus 262 Opera Workshop — Concert Choir
Mus 263 Woodwind Ensemble
Mus 264 Brass Ensemble
Mus 265 Renaissance Singers — Mus 469
Mus 266 Esquires — Mus Collegium Musicum
Mus 267 French Horn Ensemble — 468 Spring Ensemble

ED(MUS) 400 STUDENT TEACHING (See Education schedule)
Twelve Semester Hours

Music Courses for Elementary Curriculum

ED EL (MUS) 280 MUSIC FOR ELEMENTARY GRADES

The development of an understanding of fundamental musical concepts through the acquisition of basic skills in techniques of singing, piano chording, the aural facility with theoretical problems.
One semester hour

ED EL (MUS) 281 TEACHING MUSIC IN THE ELEMENTARY GRADES

Methods and materials for Kindergarten through 6th grades stressing a basic philosophy of music education, including demonstration, observation, and practice in the use of various teaching aids.
Two semester hours

Music Electives

**MUS. 301 HISTORY OF MUSIC I

Intensive chronological study of Western music from pre-Christian times to the Baroque, with emphasis on the evolution of forms, styles and media. *Three semester hours*

**MUS 302 HISTORY OF MUSIC II

Continuation of study of music forms and styles as they evolved from the end of the Baroque to the present. *Three semester hours*

*Mus 240-1, etc., indicates minor performance areas; Mus 240-2 indicates major areas; Mus 240-3 indicates variable credit.
**Courses available as General Education Electives to all students.

Mus 303, 304 Music History

A continuation of Mus 301 and 302, with emphasis upon individual research of specific epochs of music history and literature.

Three semester hours

Mus 305 American Music

Stylistic influences on the American composer; idiomatic characteristics indigenous to American music; study of representative forms used by American composers. *Three semester hours*

Mus 306 The Symphony

A study of orchestral music from its beginning. The Mannheim composers, the Viennese classics, the Romanticists, and contemporary developments. Works will be analyzed and their historical, cultural and philosophical background discussed. *Three semester hours*

Mus 307 The Concerto

The development of the concerto form with emphasis upon the contribution of Mozart, Beethoven, the Romantic school, and contemporary composers. *Three semester hours*

Mus 308 Advanced Music Literature (Theory)

Intensive study of selected choral, solo, chamber and orchestral masterpieces; emphasis on formal and stylistic developments from the late Middle Ages through the twentieth century

Three semester hours

Mus 309 Contemporary Music

A survey of the styles, forms, and musical techniques of contemporary music. *Three semester hours*

Mus 311 Counterpoint (Theory)

Contrapuntal style of the late Baroque; canon, invention, fugue. Prerequisite: Mus 214. *Three semester hours*

Mus 313 Composition (Theory)

Contemporary techniques of musical composition; emphasis on creative work. Prerequisites: Mus 214 and Mus 311.

Three semester hours

Mus 315 Advanced Harmony (Theory)

Harmonic techniques of the late nineteenth and early twentieth centuries; interrelationship of harmonic vocabulary and musical form. Prerequisite: Mus 214. *Three semester hours*

Mus 320 Class Piano Method

Study of procedures for class and individual instruction; emphasis upon the value for development of basic musicianship; examination and evaluation of materials suitable for the first two years of piano study. *Three semester hours*

Mus 340 Creative Music Drama

Fosters creative insight and the development of techniques necessary to direct and stage music drama in school and community.

Three semester hours

Mus 390 Directed Study

Individual study under the direction of a faculty member appointed by the department director. Available to seniors and students having met the requirements for graduation. May extend areas normally covered in specialized courses of the music curriculum. By permission only. *Credit arranged*

PHILOSOPHY

Phil 201 Introduction to Philosophy

A survey of the outstanding contributions of ancient and modern philosophers; includes study of certain central current philosophical problems and attention to ethical implications. *Three semester hours*

Phil 340 Contemporary Philosophy

Analysis of the defining features of major contemporary philosophical movements, with attention primarily to logical positivism, pragmatism, and existentialism. Includes study of the backgrounds for such movements and of contributions by their principal exponents.

Three semester hours

Phil 350 Introduction to Logic

A study of the principles of deductive and inductive thinking and experimental inference; examination of reasoning as applied in specific areas of inquiry—history, ethics, astronomy, physics, etc.

Three semester hours

Phil 370 Ethics

An examination of ethical principles and their application; analysis of problems encountered in individual and group efforts to realize ethical values. *Three semester hours*

SCIENCE

General Courses in Science

Bio 101 Man and the Biological World I

An introduction to biological processes; study and discussion of these processes in man, together with the ecological aspects of human life. Laboratory demonstration and analysis of problems significant in the development of biological science; examination of the ways in which the solution of such problems has affected man and society.

Fall Semester *Three semester hours*

Bio 102 Man and the Biological World II

Continuation of Bio 101. Prerequisite: Bio 101

Spring Semester *Three semester hours*

PHY 101 MAN AND THE PHYSICAL UNIVERSE I

The nature and methods of science, the logic of the scientific method, and the implications of modern scientific thought and research. Historically oriented investigation of fundamental problems in physics, chemistry, astronomy, geology, and philosophy of science.

Fall Semester *Three semester hours*

PHY 102 MAN AND THE PHYSICAL UNIVERSE II

Continuation of Phy 101. Prerequisite: Phy 101.

Spring Semester *Three semester hours*

SCI 175 COMPUTER PROGRAMMING

Study of principles, program writing and use of I.B.M. 1620 computer. Experience in S.P.S. and Fortran. Students who successfully complete this course will be able to write programs, use the 1620 computer and keypunch and be acquainted with selected data processing apparatus Prerequisite: Ma 101.

Every semester (Enrollment limited to 15) *One semester hour*

SCI 200 DESCRIPTIVE ASTRONOMY

A study of the solar system, celestial sphere, astronomical calculations, physical characteristics of the stars, planetary and stellar motions. Prerequisites: two years of high school mathematics and Ma 101 or equivalent.

Fall Semester *Three semester hours*

SCI 270 HISTORY AND PHILOSOPHY OF SCIENCE

A study of the historical development of scientific concepts and theories; cultural implications of scientific discoveries; analysis of the procedures of science. Reading and discussion of the works of major scientists and philosophers of science. Normally taken in senior year.

Fall Semester *Three semester hours*

SCI 290 TEACHING SCIENCE IN THE SECONDARY SCHOOL

Examination of the place and objectives of science in secondary education; study of curriculum problems, methods, techniques and psychological factors in teaching the sciences; investigation of textbooks, sources, teaching aids, and attention to factors promoting an effective learning environment. Prerequisite: Twelve hours of work in major field of science.

Every Semester *Two semester hours*

SCI 300 NUCLEAR SCIENCE

Study of radiostope methodology as utilized in the various scientific disciplines. Students become familiar with various radioactivity detectors as they investigate the properties of elementary particles and their concomitant radiation. Prerequisite: Open to junior and senior science majors upon recommendation of their advisors and permission of the instructor.

Fall Semester *Three semester hours*

Biology

Bio 201 Zoology I

Anatomy, physiology and taxonomy of the invertebrates, with emphasis on ecological relationship.
Fall Semester *Four semester hours*

Bio 202 Zoology II

Anatomy, physiology and taxonomy of chordates and vertebrates, with some attention to embryology and genetics. Prerequisite: Bio. 201.
Spring Semester *Four semester hours*

Bio. 203 Botany I

Study of the structure, functions and classification of the higher plants, together with practical application of such knowledge.
Fall Semester *Four semester hours*

Bio 204 Botany II

The relationship of the various plant groups, from simplest to most complex, based on evolutionary factors; includes study of fossil plants. Prerequisite: Bio 203.
Spring Semester *Four semester hours*

Bio 302 Field Zoology

Taxonomy of local fauna; field collections and laboratory studies. Prerequisite: Bio 202.
Three semester hours

Bio 303 Field Botany

Taxonomy of local flora, with emphasis on the flowering plants including trees. Prerequisite: Bio 204, or equivalent.
Three semester hours

Bio 310 Ecology (Field Course)

A study of fundamental ecological principles manifested in the mutual relationship of plants and animals and their environment. Prerequisite: Bio 301 or 303, or consent of instructor.
Fall Semester—Odd Years *Three semester hours*

Bio 320 Ornithology (Field Course)

The biology of birds, with special attention to the taxonomy of local avifauna. Prerequisite: Bio 202 or consent of instructor.
Spring Semester—Even Years *Three semester hours*

Bio 325 Entomology (Field Course)

Structure, physiology and economics of insect life, with intensive field and laboratory studies of the local insect population. Prerequisite; Bio 202 or consent of instructor.
Spring Semester—Odd Years *Three semester hours*

Bio 331 Vertebrate Anatomy (Lab Course)

Systematic study of the anatomy of the vertebrate series, with laboratory dissection of the cat. Prerequisite: Bio 202.
Spring Semester—Odd Years *Three semester hours*

Bio 332 Physiology (Lab Course)

Systematic study of the life processes of the vertebrates, with emphasis on human physiology. Prerequisites: Bio 331 and Chem 202.
Fall Semester—Odd Years *Three semester hours*

Bio 340 Genetics (Lab Course)

Variation and heredity in plants and animals, including man. Prerequisites: Bio 202 and Chem 202.
Fall Semester—Even Years *Three semester hours*

Bio 345 Embryology (Lab Course)

Study of the origin and development of the various tissues and organs of the animal body. Prerequisite: Bio 202.
Fall Semester—Even Years *Three semester hours*

Bio 355 Microbiology (Lab Course)

Elementary principles of microorganismal morphology and physiology (bacteria, viruses, etc.); relation of microorganisms to fermentation, disease, dairy products and other foods, water purification, sewage disposal and soil fertility. Prerequisites: Bio 204 and Chem 202.
Spring Semester—Even Years *Three semester hours*

Bio 404 Biology Seminar

Study projects involving the investigation of recent literature in the field of Biology; preparation of seminar papers on assigned problems. Juniors and Seniors only. May be taken two semesters.
Every Semester *One semester hour*

Bio 405 Special Problems in Biology

Study projects under direct supervision by instructor. Library and laboratory research on selected problems. Consent of instructor.
Every Semester *One to three semester hours*

Chemistry

Chem 201 General Chemistry I

Fundamental principles of chemistry from the standpoint of the periodic classification of the elements; modern concepts of atomic structure and chemical bonding. Required of all science majors.
Fall Semester *Four semester hours*

CHEM 202 GENERAL CHEMISTRY II

Continuation of Chem 201. Ionic equilibria, electrochemistry, nuclear chemistry and a brief introduction to organic chemistry. A short course in qualitative analysis is included, involving principles and methods of ion identification. Required of all science majors. Prerequisite: Chem 201.

Spring Semester *Four semester hours*

CHEM 203 INORGANIC CHEMISTRY

For non-science majors. Treatment of fundamental principles of chemistry which will be of particular use to non-science majors. Not open to science majors.

Fall Semester *Four semester hours*

CHEM 204 ORGANIC AND BIOCHEMISTRY

For non-science majors. Principles of organic and biochemistry which are important and useful to non-science majors. Not open to science majors. Prerequisite: Chem 203.

Spring Semester *Four semester hours*

CHEM 213 QUANTITATIVE ANALYSIS

An introductory course in analytical chemistry with emphasis on titrametric and gravimetric procedures. Prerequisite: Chem 202.

Fall Semester *Three semester hours*

CHEM 214 INSTRUMENTAL ANALYSIS

Principles and applications of instrumental methods in chemical and structural analysis. Studies will include potentiometric, conductometric, electrolytic, spectrometric and chromotographic techniques. Prerequisite: Chem 213.

Spring Semester *Three semester hours*

CHEM 221 ORGANIC CHEMISTRY I

Principles of organic chemistry; preparation, properties and nomenclature of various aliphatic compounds. Prerequisite: Chem 202.

Fall Semester *Four semester hours*

CHEM 222 ORGANIC CHEMISTRY II

Continuation of Chem 221, to include aromatic compounds carbohydrates, and an introduction to elementary organic analysis. Prerequisite: Chem 221.

Spring Semester *Four semester hours*

CHEM 251 PHYSICAL CHEMISTRY I

A study of the physical properties of the gaseous, liquid and solid states of matter with relation to molecular structure. Prerequisites: Chem 214, Math 211, and Phy 202.

Fall Semester *Three semester hours*

CHEM 252 PHYSICAL CHEMISTRY II

Continuation of Chem 251. Topics include thermodynamics, behavior of solutions, properties of electrolytes and chemical kinetics. Prerequisite: Chem 251.
Spring Semester *Three semester hours*

CHEM 310 BIOCHEMISTRY

Chemistry of carbohydrates, lipids and proteins; digestion metabolism, blood, nutrition. Prerequisite: Chem 222.
Spring Semester *Three semester hours*

CHEM 325 QUALITATIVE ORGANIC ANALYSIS

Identification of organic compounds by various techniques; an introduction to modern methods such as chromatography. Prerequisite: Chem 222.
Fall Semester *Two semester hours*

CHEM 345 STRUCTURAL CHEMISTRY

The structure of various organic and inorganic compounds; modern methods of structure determination; influence of structure on chemical properties. Prerequisite: Chem 222.
Spring Semester *Three semester hours*

CHEM 401 SELECTED TOPICS IN INORGANIC CHEMISTRY

A non-mathematical treatment of atomic structure including Bohr-Sommerfeld and wave mechanical theories of hydrogen-like atoms. Applications of these principles are made in the study of coordination compounds using atomic and molecular orbital approach. Prerequisite: Chem 202.
Fall Semester *Two semester hours*

CHEM 402 SELECTED TOPICS IN ORGANIC CHEMISTRY

Subjects may include natural and synthetic polymers, antibiotics, heterocyclics, terpenes and stereochemistry. Prerequisite: Chem 222.
Spring Semester *Two semester hours*

CHEM 404 CHEMISTRY SEMINAR

Study projects involving the investigation of recent literature in the field of chemistry; preparation of seminar papers on assigned problems. Juniors and Seniors only. May be taken two semesters.
Every Semester *One semester hour*

CHEM 405 PROBLEMS IN CHEMISTRY

Study projects under direct supervision by instructor. Library and laboratory research on selected problems. Consent of instructor.
Every semester *One to three semester hours*

Earth and Space Science

ESS 404 Earth and Space Seminar

Study projects involving the investigation of recent literature in the fields related to earth and space science; preparation of seminar papers on assigned problems. Juniors and Seniors only. May be taken two semesters.

Every Semester *One semester hour*

ESS 405 Problems in Earth and Space Science

Study projects under direct supervision by instructor. Library and laboratory research on selected problems. Consent of instructor.

Every Semester *One to three semester hours*

Physics

Phy 151 Introductory Physics I (Mechanics-Electricity)

Part one of a two semester course designed to acquaint the biology major with aspects of physical science of importance to that field. Kinematics, dynamics, gravitation, kinetic theory, electrostatics, electromagnetism, electrical applications. Prerequisite: Chem 202.

Fall Semester *Three semester hours*

Phy 152 Introductory Physics II (Light-Modern Physics)

Continuation of Phy 151. Wave motion, relativity, quantum theory, atomic theory, nuclear physics, particle physics. Prerequisite: Phy 151.

Spring Semester *Three semester hours*

Phy 201 General Physics I (Mechanics-Sound)

The first part of a three-semester theory and laboratory course dealing with the fundamental phenomena and concepts of physics, including the kinematics and dynamics of particles, properties of fluids, wave motion and an introduction to the methods of measurement. Prerequisite: Ma 210 or concurrent enrollment.

Spring Semester *Three semester hours*

Phy 202 General Physics II (Heat and Electricity)

Continuation of Phy 201. Heat transfer and thermodynamics, electrostatics, current electricity and magnetic phenomena. Prerequisites: Phy 201 and Ma 211 or concurrent enrollment in Ma 211.

Fall Semester *Three semester hours*

Phy 203 General Physics III (Optics and Modern Physics)

Continuation of Phy 202. Electromagnetic radiation; introduction to geometrical and physical optics; line spectra and spectral series, the Bohr atom, X-rays, radio activity. Prerequisites: Phy 202 and Ma 212 or concurrent enrollment in Ma 212.

Spring Semester *Three semester hours*

PHY 302 ELECTRICITY AND MAGNETISM

Electrostatics, d-c circuits, electromagnetic radiation. Theory and laboratory. Prerequisites: Phy 203 and Ma 213 or concurrent enrollment in Ma 213.
Fall Semester—Odd Years *Three semester hours*

PHY 303 OPTICS

Nature and propagation of light; geometrical optics, interference, diffraction and polarization phenomena. Prerequisites: Phy 203 and Ma 213 or concurrent enrollment in Ma 213.
Spring Semester—Odd Years *Three semester hours*

PHY 304 MODERN PHYSICS

Experimental and theoretical developments in physics during the twentieth century. Kinetic theory, properties of the electron, special series and the Bohr atom; special relativity and quantum concepts; atom and nuclear structure. Theory and laboratory. Prerequisites: Phy 203 and Ma 213 or concurrent enrollment in Ma 213.
Spring Semester—Even Years *Three semester hours*

PHY 305 ELECTRONICS

Study of the electron including its charge, emission and velocity; fundamentals of vacuum tubes and semiconductor devices; amplifiers and oscillators; electronic circuits. Theory and laboratory. Prerequisite: Phy 302.
Fall Semester *Three semester hours*

PHY 404 PHYSICS SEMINAR

Study projects involving the investigation of recent literature in the field of physics; preparation of seminar papers on assigned problems. Juniors and Seniors only. May be taken two semester.
Every semester *One semester hour*

PHY 405 SPECIAL PROBLEMS IN PHYSICS

Study projects under direct supervision by instructor. Library and laboratory research on selected problems. Consent of instructor.
Every Semester *One to three semester hours*

SOCIAL SCIENCES

SS 101 WORLD CIVILIZATION I

A survey of significant ideas, events, and cultural developments in man's history from the emergence of ancient civilizations to early modern times (cir. 1660). *Three semester hours*

SS 102 WORLD CIVILIZATION II

A continuation of SS 101. From early modern times to the present. *Three semester hours*

SS 103 History of the United States and Pennsylvania I

A survey of American history from 17th century colonization to the period of revolution, independence, and formation of the federal union; nationalism, sectionalism, and the growth of democracy in the 19th century; the Civil War and its aftermath to 1877.

Three semester hours

SS 104 History of the United States and Pennsylvania II

A continuation of SS 103. Significant trends and events in the rise of an industrial-urban society; domestic and foreign development of an emerging world power; increasing international involvement and world leadership in an atomic era *Three semester hours*

SS 205 Twentieth-Century American History (A)*

Social, political, economic and cultural development of the United States in the twentieth century, with particular attention to the role of the United States in world leadership. Prerequisites: SS103 and 104

Three semester hours

SS 222 Europe in the Nineteenth Century (E)

A study of the rise of modern national organizations in Europe and their political, social and economic aspects in relation to ideas and events. *Three semester hours*

SS 223 Europe in the Twentieth Century (E)

A study of European political and economic, social and intellectual status and trends in the present century, with review of significant developments after 1878. *Three semester hours*

SS 225 History of Europe, 1648-1848 (E)

Survey of the Major forces shaping the political, social, economic and cultural history of Europe from the Peace of Westphalia in 1848.

Three semester hours

SS 240 American Government

A study of the basis and organization of our national government, covering democratic principles, constitutional foundations, federalism, civil rights, the political party system, governmental branches and their functions, federal regulation and welfare services.

Three semester hours

SS 242 Political Parties and Public Opinion

Development and nature of the American two-party system; pressure groups, nominations and elections, public opinion and its formation and measurement, the political party in government.

Three semester hours

*In order that a History major may determine the courses that meet the required areas of history study, the courses are labeled as (A) for American History (E) for European History; (NW) for Non-Western History and (NC) for courses which are non-classified, i, e., do not readily meet any of the above classifications.

SS 245 Comparative Government

Governmental structure and processes of Great Britain, France, Germany, and Soviet Russia; the growth of democratic and authoritarian systems; comparisons with American government. Prerequisite: SS240 or permission of Instructor. *Three semester hours*

SS 247 International Relations

Twentieth-century international problems, state system, factors of power, instruments of national policy, colonialism, regionalism, post-war changes and foreign policies, the United Nations. Prerequisite: A course in modern European history or permission of instructor. *Three semester hours*

SS 250 Introduction to Anthropology

Introduction to the science of man. The major concepts of physical anthropology and cultural anthropology, with emphasis on culture. *Three semester hours*

SS 260 Principles of Economics

An introduction to major economic theories and practices, emphasizing the nature and interrelationships of consumers, business, government, labor, and financial institutions. *Three semester hours*

SS 270 Principles of Sociology

Introduction to the structure and dynamics of human society; analysis of social groups, intergroup relations, major social forces and changing aspects. *Three semester hours*

SS 290 Teaching Social Studies in the Secondary School

Analysis of desirable teaching procedures, investigation of materials for instruction; practice in planning and utilizing various types of lessons; includes study and discussion of educational philosophy and professional attitudes. *Three semester hours*

SS 302 History of Pennsylvania (A)

A study of the founding and development of Pennsylvania; social, political and economic characteristics of the Commonwealth, the diversity of its people, their contributions to the nation. Prerequisite; One college course in American History. *Three semester hours*

SS 303 History of the Civil War and Reconstruction (A)

The background of sectional controversy; constitutional issues; secession and military conflict; the aftermath of war, North and South, with particular emphasis on political development in the period of "reconstruction" ending in 1877. *Three semester hours*

SS 304 Social and Cultural History of the United States (A)

A study of social and intellectual currents in American History with special emphasis on American thought in the realms of politics, aesthetics, religion, literature as social document and historiography.
Three semester hours

SS 305 History of Latin America (NC)

A synthesis and interpretation of the principal factors in the development of Latin-American nations; covers the colonial era, national period, foreign relations, conditions and problems in the twentieth century. *Three semester hours*

SS 306 History of Colonial and Revolutionary America (A)

A study of the colonization of North America emphasizing the English contributions; the political, social and economic development of the colonies; the growth of the movement for revolution and independence, the war itself, and the results of the revolution.
Three semester hours

SS 315 History of the Far East (NW)

Traditional cultures and institutions of China, Japan, Korea, and Southeast Asia; the role of Western powers in their development; postwar changes, United States foreign policy in relation to the Far East, the emergence of Communist China. Prerequisite: A course in modern European history or permission of the instructor
Three semester hours

SS 320 History of England (E)

A survey of the political and constitutional, social and cultural, economic and imperial history of the British people.
Three semester hours

SS 323 Russia: A History From its Origin to the Bolshevik Revolution of 1917 (E)

An over-all view of significant and recurring themes in Russian history up to 1917, with close analysis of the substance, form and nature of the thousand-year-course of Russian history. Comparison of the development of Russia with that of other nations and examination of the essential roots underlying the modern Soviet State.
Three semester hours

SS 324 The Soviet Union (E)

The contemporary history of the Soviet Union from the inception of Russia as a Communist State to the present. Emphasizes the internal and external factors involved in world Communism and Soviet power policies. *Three semester hours*

SS 327 History of Modern Germany (E)

Consideration of the forces of unity in 18th and 19th century Germany, followed by a study of Imperial, Weimar, and Nazi Germany, and concluding with an examination of the post-war revival and Germany's position between East and West. *Three semester hours*

SS 330 History of the Middle East (NW)

The major political, economic and cultural features of the Middle East, with particular emphasis on modern colonialism in the area; Zionism, the rise of the Arab states; and contemporary relations with other nations of the world. *Three semester hours*

SS 340 State and Local Government in the United States

The structure, organization and function of state, county and municipal government; federalism and intergovernmental relations; problems and recent trends. *Three semester hours*

SS 345 Diplomatic History of the United States (A)

American foreign policies from the Revolution to the present; exploration of underlying concepts and other influencing factors in American diplomatic negotiations. *Three semester hours*

SS 350 World Ethnography

The major culture areas of the world and the distinguishing institutional patterns connected with each; the culture complex of Southwest Asia and Europe, the complex of Southeast Asia and Oceania, the complex of North and South America, and the complex of Africa south of the Sahara. *Three semester hours*

SS 355 Government and Institutions of Southeast Asia (NW)

A comparative study of the governments of India, Pakastan, Indonesia, and other countries of postwar South and Southeast Asia; consideration of historical and cultural backgrounds, colonialism, nationalist movements, independence aftermath. *Three semester hours*

SS 360 Contemporary Economic Problems

Exploration of our more crucial present-day problems, notably money and banking, international trade, inflation, government regulation and labor relations. *Three semester hours*

SS 363 History of Economic Thought

A study of economic ideas from the eighteenth century to the present. A brief review of physiocracy and mercantilism followed by a closer survey of classical liberalism, pre-Marxist and utopian socialism, Marxism, neoclassicism, institutionalism, and other contemporary developments. *Three semester hours*

SS 365 Industrial Relations

Examination of the social organization of industry; study of the relation of industry to society, management and labor relations, the social responsibilities of management and labor, and governmental controls in their relations. *Three semester hours*

SS 370 Contemporary Social Problems

Analysis of modern society through a study of selected problems, including class and caste, minorities, family disequilibrium, crime. *Three semester hours*

SS 381 Renaissance and Reformation Studies (E)

Examination of the political, social, economic, and cultural forces involved in the transition from medieval to modern Western society, with particular attention to the rise of vocational states and the growth of individualism . *Three semester hours*

SS 401 Special Studies in Social Sciences

Studies and research in the various social sciences offering opportunities for development in depth and/or techniques of research. *Semester hours variable, one, two or three*

SS 405 Problems of the Modern World

A study of some of the overriding challenges of our time analyzed in the light of socio-economic, historical, geographic, and political factors. Prerequisites: SS 101-104 or permission of instructor. *Three semester hours*

SPEECH AND DRAMA

Spc 101 Fundamentals of Speech

Instruction in the principles of effective speaking; intensive practice in the organization, development and presentation of basic types of public address *Three semester hours*

Spc 200 Oral Interpretation

Introduction to the methods of analysis and presentation necessary for effective oral reading of poetry, prose and drama. *Three semester hours*

Spc 210 Phonetics and Voice

Study of the physiology of speech and the sounds of spoken English; standards of American pronunciation, with vocal and ear training; practice in IPA transcription; study and application of methods for improving voice and articulation. *Three smester hours*

Spc 250 Play Production

Introduction to theory and practice of all phases of play production, with particular attention to problems of play-selection, organization, casting, and directing for school and community dramatics. Includes production by students of one-act plays and scenes from longer plays.
Three semester hours

Spc 270 Discussion, Debate and Parliamentary Procedure

The nature of argument and persuasive speech; investigation of kinds of proof, use of evidence, sound and unsound reasoning; the construction of briefs, participation in different forms of group discussion, and intensive drill in parliamentary procedure. *Three semester hours*

Spc 275 Speech Development and Improvement

Advanced work in phonetics for individual voice improvement; training in the development of appropriate speech patterns, acceptable pronunciation and flexible vocalization. *Three semester hours*

Spc 290 Teaching Speech and Drama in the Secondary School

The objectives, status and problems of speech training in the public schools; principles and methods of teaching fundamentals of speech; techniques of oral interpretation; the organization and production of drama programs in the high school. *Three semester hours*

Spc 300 Advanced Public Speaking

Detailed study of principles and methods in composing and delivering the more elaborate types of public address; practice in writing and presenting expository and persuasive speeches, with attention to effective use of appeals and proof. *Three semester hours*

Spc 350 Acting Fundamentals

Introduction to the theory and practice of acting; study of relationship between interpretation and acting; student participation in acting, impersonating and directing. By consent of instructor only.
Three semester hours

Spc 353 Stagecraft, Scenic Design and Lighting

A workshop course in design and construction of stage settings, the modeling of stages to scale, lighting, production of backstage equipment and properties; includes participation in staging dramatic productions of the college. By consent of instructor only.
Three semester hours

Spc 355 Costume and Make-Up

Training in the art of straight and character make-up; design and execution of stage costuming with particular attention to the creation of mood and illusion through style, color and fabric textures.
Three semester hours

Spc 360 History of the Theater

The history of the theater from ancient times to the present with emphasis on the relationship between theater design and dramatic production. *Three semester hours*

Spc 390 Special Projects in Speech and Dramatics

Individual projects designed for advanced students in speech and drama. By consent of instructor only. Prerequisite: Fifteen semester hours of work in the field. *Two semester hours*

Spc 392 Children's Theatre

The theories and techniques of theatre for children and creative dramatics. The study and practice of informal dramatization of literature and stories, dramatic play as well as extemporaneous drama including pantomime. *Three semester hours*

Spc 394 Play Direction

A fundamental approach to the directing of a play, including script selection and analysis, casting, rehearsal techniques and performance. Styles of directing are discussed and applied in short scenes from the classics and modern drama and one act plays which are presented in the classroom. *Three semester hours*

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MANSFIELD STATE COLLEGE
MANSFIELD, PENNSYLVANIA

For Prospective Students

The Preliminary Enrollment Blank below is to be completed and mailed to The Director of Admissions, Mansfield State College, Mansfield, Pennsylvania

Preliminary Enrollment Blank

Mansfield State College, Mansfield, Pennsylvania

Date.....

Name .....
Last Name First Name Middle Name

Address .....
Number Street City County State

Sex..... Age.....

Date of High School Graduation .....

Name and Address of High School .....

.....

Year of College Work Completed (If Any) .....

Name of College and Address .....

.....

When do you expect to enter Mansfield? .....

Check the curriculum you desire to take:

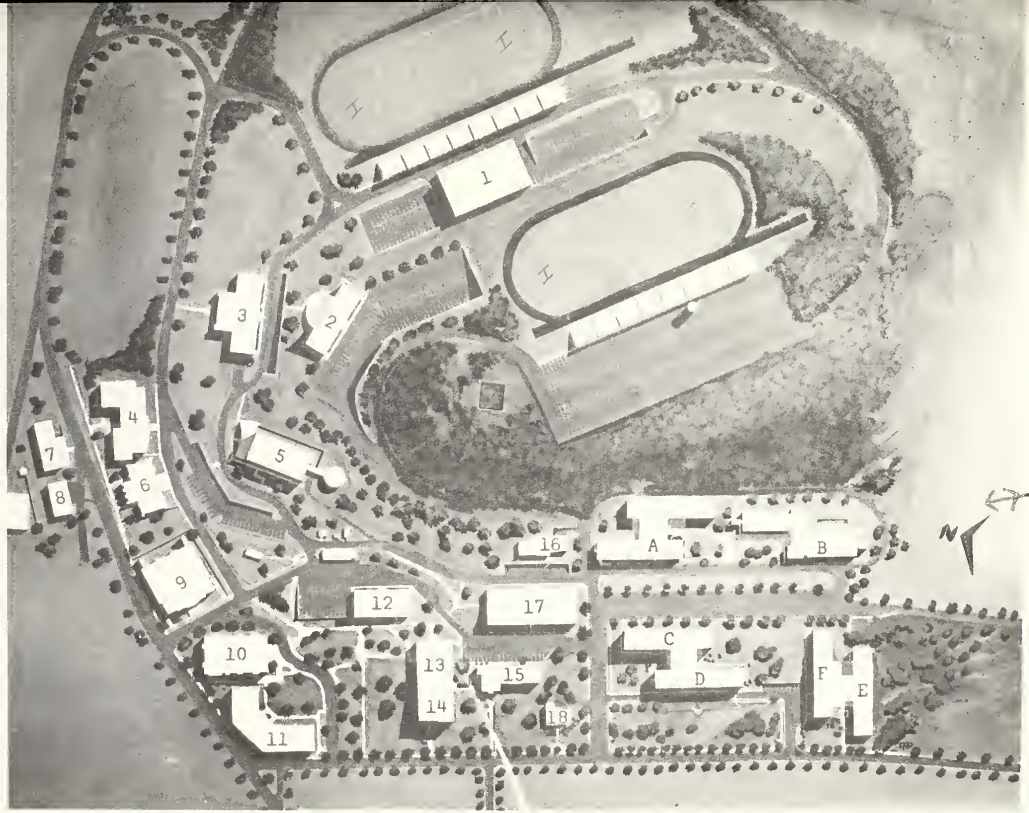
Elementary Ed. ( ); Secondary Ed. ( ); Library Science ( );
Home Economics Ed. ( ); Music Ed. ( ); Liberal Arts ( );

If Secondary Ed. or Liberal Arts, list major .....

Do you wish to live in the dormitories? .....

Are you enclosing with this blank the required Advanced Registration Deposit of $10.00 (payable to the Commonwealth of Pennsylvania? ..... An additional $40.00 deposit will be required if accepted by the College.

Please answer EVERY question in this blank



1. Gymnasium, Pool, Field House
2. World Culture (Music) Building
3. East Building
4. Elementary School
5. Science Building
6. Education Building
7. Boiler Plant
8. Maintenance Building
9. Gymnasium
10. Straughn Auditorium
11. Arts Building
12. Student Union Center
13. Library-Administration Building
14. Addition to Library-Administration Building
15. South Hall
16. Infirmary
17. Dining Hall
18. President's Home

Mudge-Nickerson addition 8.1 acres

DORMITORY COMPLEX

A. 200 capacity women's dormitory (completed January 30, 1964)

B. 200 capacity women's dormitory (completed September 1, 1964)

C. 300 capacity women's 6-7 floor high rise dormitory (funds now available)

D. 200 bed addition to high rise women's dormitory (about 1969)

E. 200 bed men's dormitory (funds now available)

F. 300 capacity men's 6-7 floor high rise dormitory (about 1967)

Mansfield Campus Plan

MANSFIELD STATE COLLEGE MANSFIELD TIOGA COUNTY PENNA

THE FIRM OF
EDMUND GEO. GOOD JR